Graduation Projects for the academic year 2023-2024

Project Title	Abstract
Traffic Signs Recognition Using Computer Vision AI	This presented report is a graduation project report on (Traffic Signs Recognition) aim to develop new mobile application which implements the computer vision artificial intelligence to detect and recognize the traffic signs in the real-time, that by using the OpenCV computer vision library with pre-trained dataset. We hope our Traffic Signs Recognition will be very helpful for drivers, to alert them and warn them of the presence of a traffic signal that they may not notice, and this application will help reduce traffic accidents. Traffic-sign recognition (TSR) is a technology by which a vehicle is able to recognize the traffic signs put on the road e.g. "speed limit" or "children" or "turn ahead". This is part of the features collectively called ADAS (Advanced driver-assistance system). The technology is being developed by a variety of automotive suppliers. It uses image processing techniques to detect the traffic signs. The detection methods can be generally divided into color based, shape based and learning based methods. The scope of our project (Traffic Signs Recognition) is to create a mobile application which can be used by any driver to recognize the traffic signs in the real-time of his driving trip. For the system front-end mobile screens, we will use the android studio XML files , and for the back-end functions we will use Java language, for the computer vision and traffic signs detect and recognize our application will use the OpenCV library with pre-trained dataset.
AUTOMATED STUDENT LOCKER RESERVATION SYSTEM	Finding an available locker at the university is a time-consuming process; that is, finding an empty locker on the university campus where you may store your possessions takes a significant amount of effort. The majority of students have difficulty finding a locker since they can't find one easily and don't want to waste their time hunting for lockers in other buildings. As a result, this project aims to build a web-based locker reservation system in order to make it easier for students to find accessible unoccupied lockers. The idea is based on a system that allows the student to view the lockers available on campus. The system displays the location of the locker in the building and the floor so that the student can reserve it automatically by logging in and using the academic number. The proposed system will replace the current manual process with a more efficient, time-saving online system. This system will streamline locker management, provide real-time availability, and generate historical usage data, benefiting students and administrative staff at Jazan University.
EVALUATE THE IMPACT OF AI TECHNIQUES IN BIG DATA ANALYSIS	In an era of unprecedented data penetration, there is a growing interest in harnessing advanced technologies, especially artificial intelligence (AI), to enhance the efficiency of data analysis. The impact of AI on the field of data analytics is paramount, offering a transformative approach to tackling vast datasets with unprecedented effectiveness. AI offers extraordinary capabilities to process vast amounts of information, thereby revealing new perspectives for pattern recognition and the use of innovative data. This project serves as a guide for organizations seeking to use AI methodologies to extract insights from expansive data warehouses. Armed with a toolbox featuring development environments like Google Collab, Jupiter, and Power BI, along with the prowess of the Python programming language. We embark on a journey to navigate complex terrain where artificial intelligence

	and big data converge. In this project we explore the profound impact of AI on improving the effectiveness of data analysis, opening new horizons for understanding information depths and making informed decisions, and evaluating various artificial intelligence (AI) algorithms including deep learning, machine learning, neural networks, and natural language processing. It will study how big data analysis can be improved using advances in artificial intelligence and its capabilities in processing large amounts of data. It will also study and discuss how big data analysis can be improved using advances in artificial intelligence and its capabilities in processing large amounts of data. He also examined how the use of AI techniques improves efficiency and reduces errors in big data analysis, enhancing the ability to make strategic decisions.
A Combined Text-Based and Metadata-Based Deep Learning Framework for the Detection of Spam Accounts on the Social Media Platform Facebook	The proliferation of social media platforms has brought about an increase in the presence of spam accounts, which negatively impact user experience and propagate unwanted content. This research project focuses on developing an integrated framework that utilizes deep learning techniques to detect spam accounts on the Facebook platform. By incorporating both text-based information and metadata associated with these accounts, the framework aims to enhance the accuracy and effectiveness of spam account detection. The research involves collecting and preprocessing a comprehensive dataset of labeled spam and non-spam accounts on Facebook. Text analysis techniques, such as natural language processing and sentiment analysis, are employed to identify linguistic patterns and inappropriate content associated with spam accounts. Additionally, metadata analysis, including account behavior and interaction patterns, serves as indicators for detecting spam accounts. Deep learning techniques, such as Bayesian neural networks, are utilized to extract meaningful information from the collected data and achieve high accuracy in spam account detection. The framework is trained and optimized using the collected dataset to ensure robust performance. The significance of this research lies in its potential to contribute to the field of spam account detection on the Facebook platform. By reducing the presence of spam accounts and unwanted content, the user experience on Facebook can be enhanced, and the negative impact of spam accounts can be mitigated. Furthermore, the developed framework can be extended to other social media platforms, bolstering security and reliability in diverse digital environments. It is important to note that this research focuses solely on the detection of spam accounts and does not cover spam prevention or dealing with malicious bot accounts. The scope of the research is limited to the Facebook platform, but the insights and findings can be extrapolated to other platforms with appropriate adaptations. The research findings are expected to contribute to the academic and research community by providing valuable insights, innovative techniques, and practical recommendations. Dissemination of the research findings will be carried out through publications in relevant conferences or journals, facilitating knowledge sharing and application. In conclusion, this research project endeavors to address the challenge of spam accounts on the Facebook platform by developing an integrated framework that leverages deep learning techniques. By incorporating text analysis and metadata analysis, the framework aims to improve the accuracy and effectiveness of spam account detection, ultimately enhancing the user experience on social media platforms.

Digital bridge (Mobadrah)	The introduction of a virtual platform for providing courses signifies a revolutionary advancement in education. This transformative space transcends the confines of traditional learning, aiming to equip students with diverse skills crucial for their personal and professional development, by emphasizing the acquisition of behavioral and social skills, the platform endeavors to bridge the gap between academic knowledge and real-world application, thereby preparing students for the challenges and opportunities of the labor market. This abstract encapsulates the essence of a virtual platform that imparts knowledge and cultivates essential life skills, empowering students to navigate the complexities of the modern professional landscape.
Analyzing and Addressing Traffic Congestion Challenges in Jizan City	Nowadays the use of vehicles for mobility has become so important that one of the necessities of life. This widespread use has exacerbated the traffic congestion problem day after day. This work proposes a solution to minimize the impact of this problem as much as possible. An on-road sensing-based system is proposed with web-based publishing abilities. Three decision-making mechanisms are presented: (i) Single Sensor Method (SSM), (ii) Long Inter-sensors Distance Method (LIDM), and (iii) Short Inter-sensors Distance Method (SIDM). SIDM provides updated calculations of the speed and the distance between two vehicles, so it gives a semi-full picture about traffic flow parameters. This what led us to SIDM choice in decision- making mechanism. By installing this system on a specific road, it is expected to get an updated description of traffic congestion situation on that road. The road description ranges from free-flowing (no-congestion) to high congestion. This information can be published on websites so that drivers can benefit from them directly or through local radio which relays this information and announces it on the air.
[MUTDAREB] Course Training Management System for Student in the University	Jazan University works to provide an educational environment and modern facilities for students and researchers, It seeks to develop its academic programs and enhance scientific and research cooperation at the local, regional and international levels, Therefore, the students of Jazan University found a defect and problems that they suffer from in the training course, which is difficulty in finding training centers and slowness in managing these processes, because to the lack of good communication between Jazan University and the training centers and the lack of students being informed of the centers available to them, to we will create a website to improve these problems .
Payment System Operating by NFC Technology for school orders.	This system will be in two applications; One for the canteen and the other for the matter, in addition to the Web site of the control panel. Key Features: 1. Canteen Application: The purpose of this application is to enable the canteen to accept electronic payments using NFC (Near Field Communication) technology. Students will have an NFC chipset associated with their mobile devices. When a student swipes their device, the required amount will be deducted from their guardian's account and transferred to the canteen account. 2. Guardian Application: The guardian application allows parents or guardians to set a daily or weekly budget for their students. They can also monitor the items their students purchase from the canteen. Each purchase made will be recorded as an invoice within the application, ensuring full transparency. 3. Web-Based Control Panel: The entire system can be managed and monitored through a web-based control panel. The control panel provides administrators with the ability to view

	detailed reports, monitor transfers and transactions, and perform necessary administrative tasks. To develop and implement this project we will use flutter with dart and firebase database for tow applications Technologies such as MySQL, PHP Larval, can be employed to develop the web-site control panel.
NFC Livestock Management System(NLMS)	The NFC Livestock Management System (NLMS) aims to revolutionize livestock management through the integration of Near Field Communication (NFC) technology. Acknowledging the challenges associated with tracking and monitoring the condition of livestock, the project seeks to provide a comprehensive solution. Each cattle is assigned a unique identifier (ID) encompassing essential details such as birth date, vaccinations, and medical history. This initiative facilitates precise monitoring of animals. Utilizing an RFID reader, the chip embedded in each cattle is read, and the corresponding data is displayed. The Website serves as a centralized platform for managing chip data, enabling efficient monitoring of status updates and detailed information for each cattle. The platform further facilitates seamless interaction, sale, purchase, and ownership transfer for breeders and buyers. The project aims to enhance livestock management practices by introducing a secure, efficient, and transparent system. Preliminary results suggest that the NLMS has the potential to significantly improve the efficiency and transparency of livestock management practices.
DRIVING MASTERY: A COMPREHENSIVE ACADEMIC PLATFORM FOR SKILL DEVELOPMENT AND LICENSE PREPARATION	In the realm of driver education, our project endeavors to establish an innovative academic platform tailored for individuals aspiring to master the art of driving vehicles in preparation for obtaining a driver's license. This comprehensive platform encompasses a range of features, offering educational lessons and expert guidance in the nuances of driving. It also serves as a responsive hub for addressing inquiries and questions posed by registered users, fostering an interactive and supportive learning environment. At the core of this platform is an adept administrator tasked with managing and curating its content. This includes overseeing educational lessons and instructions, as well as maintaining user records. The administrator plays a pivotal role in responding to user inquiries, ensuring a personalized and engaging experience for individuals navigating the learning process. The platform's design places a premium on user interaction and simplicity, employing HTML codes for foundational page structure and leveraging CSS with JavaScript for enhanced visual appeal and dynamic functionality. Built on the robust foundation of the PHP programming language, known for its strength and suitability for this type of educational platform, our system integrates seamlessly with the MySQL database. This database, renowned for its excellent features and performance, ensures efficient data management and retrieval. The user interface design is a key focus, with HTML codes employed to create a simplified and effective layout. The integration of the Bootstrap framework further elevates the user interface, contributing to a polished and user-friendly learning environment. In essence, our project represents a holistic approach to driver education, leveraging advanced technologies and thoughtful design to cultivate essential skills in aspiring drivers. By combining educational content, responsive interaction, and a robust administrative framework, our platform aims to not only impart knowledge but also empower individuals on their journey to becoming proficient and responsible drivers.

Employee's information systems	The idea is about a site that contains information about teachers, serves as a centralized platform for students to access content information and available time ,email, number, so that it provides students with the ability to find teachers easily A website will be made to implement this idea consisting of HTML 5, CSS 3, PHP using Visual Studio code and MySQL databases, in addition to the analysis and conceptual diagrams that will be made in the UML Diagram program.
JU Recommendation websites	Traditional methods of students requesting recommendations from university teachers involve physical visits to the teacher's office, Which leads to taking longer time and effort. In our project, we've tackled this issue by developing a website that simplifies the recommendation process for both students and teachers. By creating an account and logging in, students gain access to a list of teachers who have taught them. They can then select a specific teacher and request a recommendation through the website. For teachers, once they log in to the system, they can receive incoming requests, compose recommendations, and promptly respond to these requests. This streamlined approach eliminates the need for physical visits, saving time and effort for all parties involved while facilitating a smoother and more convenient recommendation process within the university setting.
Learn the Chinese language	This summary presents a comprehensive online platform specifically designed for learning Chinese. The store has innovative tools and advanced uses for achievement and interactive experiences of all levels. The platform offers a wide range of resources, including lessons, tools, multimedia, and exercises specifically tailored to the diverse learning requirements of amateurs. and enabling learners to develop their language skills in strategic contexts. To enhance the learning experience, it integrates various multimedia elements, such as audio recordings, videos, and interactive games. These adventurous materials enable learners to magically practice feeling, pronunciation, and cultural understanding. Comprehensive assessment tools are also available to track learners' progress and include useful feedback. Assessments, tests, exams, and more help learners measure their abilities and add areas that require more attention Lamplight is an online platform to revolutionize Chinese language learning by supplying a comprehensive and interactive experience. Through its innovative tools, personalized feedback, and collaborative, multimedia resources, learners can expand their language skills and access them. The other registered users and admin are allowed to comment, like, or dislike that post. Admin has the authority to accept or block the users. Users can view their details, and they have access to change their password A website will be created to implement this idea consisting of HTML, CSS, and JAVASCRIPT, using Visual Studio code and MySQL databases, in addition to analysis and conceptual diagrams performed in the UM Diagram program.
Detection Of Diabetic Retinopathy with its severity level using transfer learning	Diabetic Retinopathy (DR) stands as a prevalent cause of visual impairment among individuals affected by diabetes worldwide. Early detection and accurate assessment of DR severity play a pivotal role in mitigating its progression and minimizing visual impairment risks. In this research, we explore a novel approach to diagnose and classify DR severity levels by leveraging transfer learning within the domain of deep learning models. The study focuses on the utilization of convolutional neural networks (CNNs) pre-trained on extensive datasets to extract intricate features

technique in deep learning	from retinal images. By employing transfer learning techniques, we aim to harness the learned representations of generic image features from pre-trained models and fine-tune them on a curated dataset of retinal images specific to diabetic retinopathy. Our research delineates the process of developing a robust diagnostic model capable of accurately detecting the presence of DR and categorizing its severity levels. We delve into the intricacies of transfer learning methodologies, model architecture selection, and fine-tuning strategies to enhance the diagnostic accuracy and efficiency of the proposed system. The performance evaluation of the developed model is conducted using comprehensive metrics, elucidating its efficacy in discerning between different stages of diabetic retinopathy severity. Results showcase promising accuracy rates and demonstrate the potential for leveraging transfer learning in deep learning paradigms for efficient DR diagnosis. This research signifies a significant step towards automating the detection and severity classification of diabetic retinopathy, potentially enabling early interventions and proactive treatment strategies to mitigate visual impairments in diabetic patients.
Automatic Student Locker Reservation System (ASLRS)	Our project aims to develop a website that serves students by allowing them to reserve their lockers, saving them time and effort. It also serves the administrators responsible for managing the student lockers by providing them with information about vacant lockers. The website enables students to easily check if there is a vacant locker without the need to visit the university or speak to the locker administrator. The administrators retain the authority to accept or reject student locker reservation requests. Additionally, users can access their personal information and modify their passwords. The website implementing this idea will be developed using, PHP, HTML, CSS, JavaScript, and Visual Studio Code. In addition, MySQL databases will be used to store the necessary data. Analytical diagrams and conceptual diagrams will be created using the Visual Paradigm Online platform to assist in the development process.
Helping to Fixed Building Jazan university proBlems Based on students discovered	The educational system is an integrated system that extends to the infrastructure that supports this system. Male and female students and educational staff may face some obstacles and problems related to the surrounding environment on campus in terms of infrastructure. Accordingly, continuous improvement of these aspects must be enhanced by involving male and female students in the improvement process by harnessing technology in direct communication with officials. This project aims to develop a specialized application to deal with complaints inside the campus of Jazan University. The application provides communication opportunities for males and females alike as a platform to report any defects or problems they face in order to speed up the treatment process and save the effort spent on identifying these problems. Submitted reports can also be supported by photos and documents attached by the author. The application directs complaints to the relevant authorities responsible for security and safety on campus for evaluation and appropriate action. Students will be informed of the progress made and their complaints resolved through Regular notifications and updates. This project contributes to enhancing the university's environment and providing better services to students by increasing awareness Issues and necessary improvements while providing appropriate solutions. The objectives and scope of the project and the obstacles faced by the authors are discussed in the introduction section, followed by an overview of some concepts related

	to safety and infrastructure in the background section and then some previous studies. The next section deals with the facilitation aspects of the project, followed by numerous explanations with drawings about the project, its work, and the content and in the end there is a conclusion.
PILGRIM ASSISTING WEBSITE	Our project endeavors to address the challenges encountered by pilgrims when selecting Hajj campaigns, along with the subsequent issues related to transportation, meals, and accommodation. To tackle these concerns, we've developed a website tailored to assist pilgrims in identifying suitable campaigns. This platform also provides information about nearby hospitals, offering essential support in case of any health-related emergencies during the pilgrimage.
A Secure Web Browser Based on Phishing URL Detection Using Machine Learning	The increasing prevalence of phishing attacks poses a significant threat to internet users, emphasizing the need for robust security measures. This graduation project aims to develop a secure browser that utilizes machine learning algorithms to detect and mitigate phishing websites URL. By leveraging the power of machine learning instead of using traditional large database with long search on phishing URL, the proposed solution intends to enhance user awareness and protection against phishing attacks.
Cyber Attacks Notifier	In an era where cyber threats evolve rapidly, this thesis introduces a proactive solution: the Cyber Attacks Notifier. This system not only identifies emerging cyber threats in real time but also disseminates critical information swiftly through automated alerts. The project leverages a combination of advanced web technologies and database management tools, ensuring efficient data handling and user interaction. Through its sophisticated data analysis module, the system sifts through vast amounts of online data, extracting relevant information about potential cyber threats. The inclusion of a user-friendly dashboard allows for easy monitoring and reporting of threats, facilitating prompt responses. This project represents a significant step towards dynamic and responsive cybersecurity, aiming to mitigate the impact of cyber threats through early detection and informed awareness.
Corrupt E-Reporting System: National Corruption Reporting Platform	The project (Corrupt E-Reporting System) aims to develop a National Corruption Reporting Platform utilizing a proprietary PHP programming language and linked to a MySQL database for efficient data storage and retrieval. The platform facilitates the electronic reporting of corruption cases, enabling citizens and residents to register with personal information, including ID number, name, mobile number, email, and password. Upon registration, users authenticate using their civil registry number and password to access a report submission form, allowing them to provide essential details such as the title of the corruption case, subject, location, and a video clip serving as evidence. Users can track the status of their reports, distinguishing between pending, under process, processed, and closed cases. Additionally, the platform empowers users with the capability to manage and modify their submitted reports, enhancing user engagement. The Anti-Corruption Commission is integrated into the system to review submitted reports and adjust their statuses accordingly, moving from pending to under process, processed, or closed. The platform ensures confidentiality, expedites the reporting process, and eliminates the need for

	traditional phone-based reporting. The user interface is developed using HTML, CSS, and JavaScript, incorporating the Bootstrap framework for responsive design. An administrator is granted privileges to manage user accounts and oversee report records, providing comprehensive control and governance. Overall, this project endeavors to provide a robust and secure electronic reporting solution, contributing to the fight against corruption by streamlining the reporting process and ensuring effective communication between citizens and the Anti-Corruption Commission.
Development a Technique to Analyze Big Data for Cyber Security	In response to the escalating volume of digital data and the escalating complexity of cyber threats, there is an imperative need for innovative methodologies to analyze extensive datasets for effective cybersecurity. This project endeavors to tackle this challenge through the proposal and implementation of a holistic approach to big data analysis for cybersecurity purposes. Leveraging cutting-edge technologies such as machine learning, data mining, and anomaly detection algorithms, the project aims to enhance the detection and mitigation of cyber threats. The Deep Neural Network (DNN) is selected as the primary machine-learning algorithm, underscoring a commitment to utilizing advanced models for superior threat detection and cybersecurity measures. The research methodology begins with a thorough examination and definition of the problem or research question at hand. A detailed analysis is conducted to comprehend the scope, context, and significance of the identified problem, establishing clear objectives for subsequent research phases. Additionally, a comprehensive literature review is undertaken to explore existing solutions, methodologies, and findings related to the targeted cybersecurity challenges. The selection of the Deep Neural Network (DNN) as the machine-learning algorithm serves as a cornerstone in the commitment to harness sophisticated models for heightened threat detection and cybersecurity efficacy. To evaluate the proposed model, a dataset is been carefully chosen, setting the stage for robust testing and validation of the developed approach. The proposed method achieves a significant performance in detecting cyberattacks within an accuracy varied from 0.982 to 0.998. These results show the effectiveness of the proposed algorithm.
Secure Data Base System For an Online Fashion Store	The idea of a database-based security system for an online store relies on the use of a central database to store all information related to the store, including customer information, inventory, and financial transactions. The system uses a set of security measures to prevent unauthorized access to this information, to modify it or delete it. Security and confidentiality are crucial factors in designing and implementing a database system for an online fashion store. This system aims to provide a safe and reliable environment for storing and managing customer information, products, and business transaction. The foundation of this system relies on advanced security techniques to protect sensitive data. Strong encryption and secure communication protocols are used to ensure the confidentiality of customer information, such as payment details and contact information. Robust protection mechanisms are implemented to prevent unauthorized access to the database and illegal data manipulation. The database is organized in a systematic and structured manner, with products, inventory, customer details, and orders stored in advanced data structures. Regular backup procedures are implemented to safeguard data against unexpected loss or corruption. Additionally, recovery procedures are in place to ensure business continuity in the event of a technical

	Issue or cyberattack. Periodic maintenance of the system includes security updates and addressing potential security vulnerabilities. The system is regularly scanned to detect any abnormal activity or attempted breaches, and necessary measures are taken to prevent them. Monitoring of logs and event recording are conducted to track any suspicious activity or security violations By utilizing a secure database system for an online fashion store, customers can shop with confidence and peace of mind. This system provides effective protection for personal data and sensitive information, ensuring business continuity and seamless service availability.
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GPT_Note Website	The project aims to develop an innovative note-taking platform leveraging ChatGPT's capabilities to transform concise prompts into comprehensive notes. This platform addresses the challenge of organizing and expanding upon thoughts and concepts efficiently. Users can input brief prompts or ideas, and the system, powered by ChatGPT, will generate detailed notes, aiding in the expansion and structuring of initial thoughts. The proposed system seeks to streamline the note-taking process, empowering users to capture, elaborate, and refine their ideas seamlessly. The platform facilitates an intuitive and user-friendly experience, enhancing productivity and enabling more effective note-taking practices. We will create a website to bring this idea to life, utilizing HTML, CSS3, JavaScript, and PHP. The development will be done using Visual Studio Code, and MySQL databases will be employed. Additionally, analysis and conceptual diagrams will be crafted using the UML Diagram program, and OpenIA for IA model
Digital Library	In the digital age, access to information has become a cornerstone of learning and research. The Digital Library project aims to bridge the gap in digital access to literature and academic resources. This initiative seeks to develop a comprehensive web-based platform that allows users, ranging from students and educators to avid readers and researchers, to effortlessly browse, access, and download a wide array of books and academic materials. By leveraging advanced web technologies, including PHP, HTML, CSS, JavaScript, and MySQL, the project endeavors to create a user-friendly, efficient, and reliable digital library. The Digital Library stands out by offering

	a vast collection of texts, including rare and specialized literature, thereby catering to diverse reading and research needs. The platform emphasizes not only on the provision of digital resources but also on fostering a sustainable reading culture through eco-friendly alternatives to traditional print media. Furthermore, it aims to support the academic community by providing an easily accessible repository of knowledge. This project is aligned with contemporary educational needs, ensuring that the valuable treasure of books and knowledge is just a click away for anyone, anywhere, and at any time. The Digital Library represents a step forward in making education and information more accessible and inclusive in a digitally connected world.
Student locker Application	Jazan University is considered one of the oldest universities in the Kingdom of Saudi Arabia. The university provides many diverse services to its students through university website However, we find that the university website is missing some important things For example, it does not include the service of enabling students to reserve a locker automatically, so our proposed project is (the service of enabling students to reserve a locker automatically). In this project, we are working to add more services and features to the university. Most students need to subscribe to the locker service provided by the university. Therefore, through our project, we will add an automatic locker reservation service, to facilitate student access to the locker in an easy way. The proposed system will be a Mobile application, and the front end is android studio The backend of the system is a Firebase database server.
Ensaf System (Point of Sale)	Point of Sale (PoS) is the purchase and sale made in each commercial service from groceries, even giant installations, and consists of several devices that connect to each other to perform several comprehensive sales operations immediately to seamlessly complete the sale or purchase. POS systems devices typically consist of: • Reader for cards. • Printer for paper invoices - unnecessary after electronic billing decision. • Drawer for cash. • Computer to control the Branch's resource management system. Our project pertains to Point-of-Sale (POS) systems and involves an electronic invoicing system that is activated when a customer makes a purchase at the point of sale. The message you will receive when you make a purchase at the store from your card, containing details of the transaction amount, time, location, and our link will be there, is sent to the customer’s mobile phone. This message originates from the location where the purchase was made. The invoice link includes a list of all items purchased by the customer. Additionally, a copy of the invoice is provided to the supplier or store owner as well.
ENHANCING HOME SECURITY: INTEGRATING IoT into	These days, with the integration of advanced electronic systems, home security has undergone profound development. It seems we live in an era where interconnected surveillance cameras, sensors, and automated mechanisms enhance home control security. This research investigates the complex field of cybersecurity systems in residential environments, delving into the integration of smart devices, artificial intelligence, and IoT technologies. The goal is to evaluate the effectiveness, feasibility, and impact of modern cybersecurity measures on residential

ELECTRONICS SYSTEM	safety. The problem statement emphasizes the flaws in current home security systems, focusing on privacy violations and system evaluation. The primary goal is to develop secure systems that can meet challenges, with objectives focusing on system effectiveness, technological analysis, and identifying areas for improvement. The scope includes a comprehensive examination of various system components, evaluation methodologies, and privacy protection strategies. The system will use different technology so that it can combine these technologies with AI, and the system will be an experience system. The system will use different layers of security, and, installing and updating systems will protect the system from compromise vulnerabilities. The system uses different AI to enhance its performance and also uses AI to protect the system from cybersecurity attacks. The security in homes is in the router layer and then in the servers with different software that provides firewalls and protects the sensors from using them in DDOS attacks or combining them to steal the house or for other purposes.
Mahalya Campus Guidance Chatbot	Jazan University is considered one of the oldest universities in the Kingdom of Saudi Arabia. It is characterized by a large area and includes many scientific, practical and technical specializations. It provides a comprehensive educational environment throughout the region and hosts many visitors. Most students and visitors may face the problem of finding the locations of places or destinations within the university building quickly and easily. We created an web chatbot project to answer questions. A chatbot is similar the communication process or conversation that occurs between two parties, but the difference is that the other party here is not a human but a computer. This communication varies between written and audio depending on the field, and the communication process begins when a person sends a specific request. that may be a question or inquiry In this project, the chatbot is a smart guide that quickly responds to students' inquiries about the locations of various places at the university. This project aims to facilitate integration into university life and provide an effective way to explore university .facilities and events To implement this project uses HTML, CSS, python and JavaScript to develop and design the user interface.
Saudi Tourism Mobile Application	The tourism application in Saudi Arabia is a mobile application that provides information and services related to tourism in the Kingdom of Saudi Arabia. The application aims to provide comprehensive information about tourist destinations, natural sites, and cultural heritage in the country. It assists users in discovering tourist attractions, planning their trips, and making hotel and flight reservations. Its goal is to facilitate travel experiences and promote tourism in the Kingdom of Saudi Arabia.
Blood donation system	The management of an adequate donor pool is a constant and challenging task for blood centers in order to provide blood supply. The primary goal of this system is to connect potential blood donors with patients in need, ensuring a constant and accessible supply of blood. By establishing a centralized website, the system aims to streamline the donation process, making it convenient for donors to contribute and for medical professionals to efficiently distribute blood to hospitals and clinics. The proposed system will be online web-site, front-end is web-pages using HTML, for server side functions PHP is used and the system back-end is MYSQL database server.

ELMAM – THE SOLUTION FOR ALL	This project focuses on developing a central platform that facilitates easy and secure access to essential websites, specifically targeting the elderly population while safeguarding them from potential online fraud. The primary objective is to consolidate important websites into a single, reliable platform, eliminating the need for elderly users to navigate multiple sites independently. By providing a user-friendly interface, we aim to enhance accessibility and minimize the risk of fraudulent activities that the elderly may encounter when navigating unfamiliar online spaces. The project's ultimate goal is to create a trusted online resource that simplifies access to critical websites, ensuring a safer and more efficient online experience for the elderly population. Visual studio code and other tools: HTML, CSS, PHP and JS, Database MySQL were used in developing the project. The site covers the basics of the user and protects him from exposure to fraud.
NETWORK OF UNIVERSITY CLUBS	The primary goal of the project network is to create a platform that facilitates seamless communication and information sharing among university clubs, enabling them to collaborate more effectively and maximize their impact. By establishing a networked infrastructure, clubs can overcome the challenges of isolation and limited resources that often hinder their growth and productivity. Implementing the project network involves the development of a digital platform or system that allows club representatives to connect, exchange ideas, and coordinate activities. This platform may incorporate features such as discussion forums, event calendars, resource sharing, and project management tools. By leveraging technology, the network aims to streamline club operations, reduce administrative barriers, and enhance overall efficiency. The benefits of implementing a project network extend beyond individual clubs. It can promote a sense of belonging and community among students, encouraging their active participation and engagement. Additionally, the network provides opportunities for clubs to showcase their activities to a wider audience, attracting new members and fostering a vibrant campus culture. The project network of university clubs offers a promising avenue for enhancing collaboration, connectivity, and engagement within higher education institutions. By harnessing the power of technology and fostering a culture of collaboration, universities can cultivate a dynamic and inclusive campus environment that empowers student clubs to thrive and contribute meaningfully to their communities.
Secure Data Base System For an Online Fashion Store	The idea of a database-based security system for an online store relies on the use of a central database to store all information related to the store, including customer information, inventory, and financial transactions. The system uses a set of security measures to prevent unauthorized access to this information, to modify it or delete it. Security and confidentiality are crucial factors in designing and implementing a database system for an online fashion store. This system aims to provide a safe and reliable environment for storing and managing customer information, products, and business transaction. The foundation of this system relies on advanced security techniques to protect sensitive data. Strong encryption and secure communication protocols are used to ensure the confidentiality of customer information, such as payment details and contact information. Robust protection mechanisms are implemented to prevent unauthorized access to the database and illegal data manipulation The database is organized in a systematic and structured manner, with products, inventory, customer details, and orders stored in

	advanced data structures. Regular backup procedures are implemented to safeguard data against unexpected loss or corruption. Additionally, recovery procedures are in place to ensure business continuity in the event of a technical issue or cyberattack Periodic maintenance of the system includes security updates and addressing potential security vulnerabilities. The system is regularly scanned to detect any abnormal activity or attempted breaches, and necessary measures are taken to prevent them. Monitoring of logs and event recording are conducted to track any suspicious activity or security violations. By utilizing a secure database system for an online fashion store, customers can shop with confidence and peace of mind. This system provides effective protection for personal data and sensitive information, ensuring business continuity and seamless service availability.
AUTOMATED DIAGNOSIS SYSTEM USING AI	The Automated Diagnosis System is a ground-breaking project that aims to change the diagnostic environment by introducing artificial intelligence (AI) in healthcare to create a better system for diagnosing. This technology is revolutionizing disease diagnosis and patient care by combining cutting-edge AI approaches and advanced data analytics. The system's goal is to analyses large medical datasets, which include a variety of patient records, symptoms, diagnostic tests, and treatment outcomes, by leveraging the power of machine learning algorithms. Its primary goal is to provide exact and timely disease diagnosis by thoroughly assessing multidimensional patient-specific data. Beyond diagnosis, the system aspires to provide personalized medical advice and recommendations, directing patients to appropriate medical interventions or additional consultations. The system seamlessly integrates patient data, enabling intuitive symptom input and facilitating informed decision-making, using a technical framework that leverages Scikit-learn for machine learning model development and Tkinter for a user-friendly interface. This comprehensive approach will optimize healthcare delivery, improve diagnostic accuracy, and provide actionable insights to both patients and healthcare providers. As a pivotal advancement in medical care, particularly supported by AI, the Automated Diagnosis System represents a paradigm shift in healthcare practices.
Controlling Cars Using Arduino	Arduino car control is the process of using a programmed Arduino board to control various functions in a car. The Arduino consists of a small, programmable microcontroller that allows a variety of devices, sensors, motors, and other parts to be connected to and controlled. Arduino can be used to turn a car into an intelligent, Internet-connected model, providing functions such as remote control, sensing and analysis, and communication with other devices. This is done by programming the Arduino to perform certain tasks, such as controlling a car's engines, reading data from light or heat sensors, and communicating with GPS modules or distance sensors. Using Arduino, it is possible to create a custom control system that operates a car, such as a lighting control system, a location tracking system, or a self-driving system. The Arduino can also be connected to motion sensor modules to detect and avoid obstacles while driving. Arduino is an open source platform that allows users to program and customize its functions according to their specific needs. Thanks to the vast developer community, many projects, code, and libraries can be found online to help get started with using Arduino to control cars.

PET CARE CONNECT: A WEB SYSTEM FOR PET CARE SOLUTIONS	This project introduces "Pet Care Connect," Inclusive web platform dedicated to meeting the distinct needs of pet breeders. Operating as a centralized hub, the platform unites veterinary clinics, pharmacies, and pet stores, offering a comprehensive solution that includes veterinary treatments and access to high-quality pet food. Designed with efficiency in mind, Pet Care Connect streamlines the pet care journey for breeders through a user-friendly interface, eliminating the need to navigate multiple platforms. Pet Care Connect aims to revolutionize pet breeding practices by serving as a centralized hub for information, food, and treatment resources, enabling informed decision-making and raising the standard of care for pets. Beyond convenience, Pet Care Connect acts as a catalyst for efficiency in pet breeding practices, allowing breeders to dedicate more time and energy to their pets' well-being. This project is poised to enhance then overall quality of care provided to pets while simplifying the processes involved in their well-being.
ROAD MASTERS PLATFORM	A sophisticated platform wherein proficient male and female driving educators converge to register. This meticulously crafted interface furnishes comprehensive instructor profiles, encompassing vital attributes such as a visual representation, nomenclature, and years of pedagogical experience, age, gender, hourly training rates, and a comprehensive assessment derived from trainee feedback. Prospective trainees, subsequent to their registration and subsequent login, gain access to a repository of instructors, from which they can meticulously select and forward personalized training requests. These requests delineate the intended training period, whether diurnal or nocturnal, along with the stipulated daily and overall duration in hours. In the event of a trainer's response, be it an acceptance or declination, the trainee receives prompt notifications. Upon securing the collective approvals, the trainee is empowered to finalize the application, thereby commencing the training regimen in strict adherence to the specified training parameters, In addition to instructors and trainees, the "Road Masters Platform" will incorporate an administrative user role for effective platform management. The admin user will have privileged access to oversee and administer various aspects of the platform, ensuring smooth operations, resolving issues, and maintaining the overall integrity of the driving education ecosystem. This avant-garde platform is underpinned by a technological stack featuring HTML for interface structuring, CSS for aesthetic refinement, PHP for dynamic functionality, and a MySQL database for robust data management. In essence, "Road Masters Platform" epitomizes an amalgamation of technological prowess and pedagogical finesse in the domain of driving education.
VULNERABILITY ASSESSMENT PLATFORM	The Vulnerability Assessment Platform is a web designed to automate the process of identifying and assessing vulnerabilities in websites By utilizing a combination of automated scanning tools and manual testing techniques, the platform generates comprehensive and accurate vulnerability reports. This assists organizations in proactively identifying and addressing security weaknesses, thereby reducing the risk of cyber-attacks and data breaches. The platform is developed using PHP, HTML, CSS, JavaScript, and MySQL, providing a reliable and efficient solution for enhancing security measures.

Medical Advisor System	Our project aims to develop a comprehensive medical website designed to facilitate medication scheduling and reminders for patients, alongside efficient management of reservations and medical appointments. Additionally, the website will provide valuable health information to users seeking reliable resources for their health.
Collaborative Training Platform	The project's goal is to provide an extensive web platform for organizing and coordinating training courses at Jazan University. The portal will function as a single point of contact for all training possibilities, making it easier to find training providers, apply for programs, and monitor acceptance. Additionally, it will offer a way for organizations to hire trainees and for supervisors to oversee assignments. The platform's capacity to assess students via the website and keep track of each student's grades, assessments, and absences is one of its distinctive features. This platform will ultimately improve the training experience at Jazan University by saving users time and effort by streamlining the process of searching for and applying for training. Training providers are able to post openings, monitor applicants, and give comments on student performance with efficiency. An extensive dashboard is beneficial for the primary supervisor in order to monitor every task. By guaranteeing accountability, speed, and openness in the training process, the platform improves the entire experience for students and training organizations in the university ecosystem.
Jazan University Volunteer Work Management System	Jazan University has different units such as academic advisory unit, Activity unit, Quality unit, colleges clubs, and Excellence unit and so on. In this project we aim to create new online system, that the University units can posts their volunteer works with all details such as “how many students they need, how many hours per week’, the students after they register can pick the suitable work. This system has two parts- students' interface and Admin interface, student's panel permits a student to view different volunteer work options and pick one. There is an admin panel by which an admin can control the whole system. Admin can post, delete, and update volunteer work options and can control the registered students, and admin is responsible to confirm the student registration and the student volunteer selection. We will use the ASP.NET technology to create online system, which can manage the volunteer work inside Jazan University; the website front-end is web pages using ASP.NET and C# for server side functions, all information will be stored into Microsoft SQL Server as the system back-end.
Tourism Development in the Jazan Region	This document provides an overview of tourism in the Jazan Region, offering insights into its attractions, economic impacts, and sustainability considerations. It highlights the region's natural beauty, cultural heritage, and unique experiences that make it an appealing destination for travelers. The document emphasizes the importance of responsible tourism practices and community engagement in the sustainable development of the tourism sector in the Jazan Region. We aim to develop an application with comprehensive information on tourism and entertainment in the Jazan region, focusing on its potential as an exciting tourist destination. It covers various topics, including details about tourist sites such as beautiful beaches, mountains, valleys, and nature reserves, as well as information on recreational activities in the area. The overarching project will develop tourism in Jazan, Saudi Arabia, by emphasizing its rich cultural heritage, stunning natural landscapes, and unique local traditions. The initiative

	includes strategies to increase tourism through marketing efforts and infrastructure improvements, such as better transportation and accommodations. Anticipated outcomes of the project encompass increased tourist arrivals and spending, economic diversification, preservation of cultural heritage, improved infrastructure, and positive socio-economic impacts on local communities. The ultimate goal is to position Jazan as a premier tourist destination, contributing to economic growth, job creation, and overall regional development while maintaining its authentic charm and cultural identity.
WEB-BASED SMART CAB SYSTEM	The "Web-based Smart Cab System" is a comprehensive software solution designed to enhance and streamline the management of a taxi service. Developed using PHP as the primary programming language, the system incorporates a MySQL database to store and retrieve data efficiently. HTML, CSS, and JavaScript ensure a user-friendly and interactive web interface. The system caters to three main user roles: Admin, Drivers, and Clients. The Admin has access to centralized control and monitoring functionalities, allowing them to manage user accounts, monitor cab locations in real time, and generate reports. Drivers utilize the system to receive ride requests, navigate through optimized routes, and update their availability status. On the other hand, clients can easily book, track, and manage their rides through a user-friendly web interface. By integrating these functionalities into a unified platform, the Web-based Smart Cab System aims to optimize operational efficiency, reduce client wait times, and provide a flexible work environment for drivers. This project addresses the current demands for more intelligent and responsive urban transportation solutions and sets the foundation for future enhancements in the evolving landscape of smart mobility services.
Online shopping application	The Online Shopping Application project aims to develop a user-friendly and efficient mobile application that allows users to conveniently browse and purchase products online. The project will utilize modern design tools and technologies, including Figma and Adobe XD, for designing the application's user interface. The development of the application will be implemented using the Flutter framework, a popular cross-platform programming language. The project's primary objective is to create an intuitive and visually appealing interface that enhances the overall user experience. By utilizing design tools like Figma and Adobe XD, the project team will be able to create wireframes, prototypes, and interactive designs, ensuring a seamless and visually coherent user interface. These tools will facilitate rapid design iterations and collaboration among team members. The Online Shopping Application will offer features such as product search, product categorization, user registration and authentication, shopping cart management, payment integration, and order tracking. The application will be designed to provide a smooth and secure shopping experience, ensuring the confidentiality of user data and secure transactions.
Bone Fracture Detection Through X-Ray Using Deep Learning	Background: The integration of Artificial Intelligence (AI) in medical imaging, particularly orthopedic diagnostics, is a burgeoning field with the potential to revolutionize traditional diagnostic methods. The reliance on visual interpretation by radiologists, while effective, can be subjective and time-consuming. This research aims to harness deep learning techniques to automate and refine the process of bone fracture detection from X-ray images.

	Method: This study employs a variety of deep learning architectures, including Convolutional Neural Networks (CNNs), to construct a model adept at the accurate identification and classification of bone fractures. A dataset of annotated X-ray images depicting various fracture types was compiled, serving as the foundation for the model's training, validation, and testing phases. The model's performance was evaluated using metrics such as sensitivity, specificity, accuracy, and the area under the receiver operating characteristic (ROC) curve. Results: The Binary Class model demonstrated moderate success, indicating a need for further refinement. The Multi-Classification MLP model showed a balanced performance between training and test accuracy, with room for improvement in precision and recall. The CNN model exhibited high training accuracy and substantial test accuracy, suggesting the superiority of CNNs in image-based diagnostics. These results underscore the potential of deep learning models to enhance the accuracy and efficiency of bone fracture detection. Conclusion: The findings of this study underscore the promise of deep learning in medical diagnostics, with the CNN model displaying notable efficacy. The research contributes to the advancement of AI in healthcare, potentially leading to quicker, more accurate diagnoses and better patient outcomes. The automated diagnostic tool developed herein could significantly augment existing diagnostic procedures, offering a novel approach to bone fracture detection in clinical settings.
My Book	The Online Student Book Store Project represents a transformative initiative aimed at revolutionizing the conventional textbook exchange process within the realm of higher education. Focused on creating an efficient and user-friendly online platform, this project addresses the financial strain and environmental impact associated with traditional methods of buying and selling textbooks. Leveraging principles of computer science, the platform facilitates seamless transactions, providing students with a digital marketplace for both acquiring and parting with course materials. Beyond being a transactional space, the project envisions fostering a dynamic community where students collaboratively contribute to the accessibility and sustainability of educational resources. This abstract encapsulates the project's overarching goals, emphasizing accessibility, affordability, and environmental responsibility.
SCHOOL MANAGEMENT SYSTEM	The project titled "School Management System" aims to develop an electronic platform in the form of a website that serves as a comprehensive administrative tool for schools. The primary objective is to enhance communication and interaction among school and parents, while also streamlining administrative tasks. The system offers a range of services to cater to the needs of different Parents. Parents can conveniently contact the school to inquire about their children's academic performance and behavior. Moreover, the platform provides a mechanism for seamless communication between school and parents, facilitating effective collaboration and information sharing. One of the key features of the system is the ability to display school news and announcements on the website. This ensures that all relevant information regarding events, deadlines, and important updates is readily accessible to the entire school community. Additionally, the system allows students and parents to submit complaints, suggestions, and comments, providing a platform for their voices to be heard and addressing any concerns they may have. The

	project aims to streamline administrative processes, improve transparency, and foster a stronger connection between the school and its Parents. The website serves as a centralized hub where students and parents can easily access necessary information, communicate effectively, and actively participate in the school community. Ultimately, the project seeks to enhance the overall student experience, facilitate efficient educational administration, and promote effective school-parent communication.
A COMPREHENSIVE PLATFORM FOR SUMMER TRAINING EVALUATION: ENHANCING STUDENT-COMPANY COLLABORATION	In the dynamic landscape of education and professional development, a robust platform is proposed to facilitate the seamless interaction between students seeking summer training opportunities and companies providing such programs. The platform aims to empower students in making informed decisions about their training choices and enhance the collaboration between students and companies. The system begins with student registration, requiring authentication through email and password. Once registered, students gain access to a comprehensive evaluation system displayed on the platform's homepage. This evaluation system reflects the quality of summer training offered by various companies, contributed by former students who share their insights. This feature assists prospective students in selecting companies that align with their training goals. To formalize the training request, students can submit their preferred company choices through the platform. These requests are then forwarded to academic advisors who hold the authority to approve the training selections. This process ensures that students engage in meaningful and beneficial training experiences that contribute to their future professional success. The platform incorporates a unique evaluation mechanism where companies assess the performance of students during the training period. Importantly, companies are restricted from modifying student evaluations, ensuring an unbiased and transparent assessment process. Conversely, students gain access to their evaluations only after completing the company assessment, preventing any undue influence on the company's evaluation. To maintain the integrity and validity of evaluations, the academic advisor is granted exclusive rights, holding the authority to manage all aspects of the platform. This includes overseeing training requests, monitoring evaluations, and ensuring the overall effectiveness of the platform. Technologically, the platform is built using a combination of HTML for structuring the user interface, CSS for styling and formatting, PHP for dynamic functionality and server-side scripting, and MySQL as the database management system. This tech stack ensures a secure and efficient storage and retrieval of data, fostering a reliable and user-friendly environment. In summary, the proposed platform addresses the needs of both students and companies involved in summer training programs. By providing a transparent evaluation system and involving academic advisors in the decision-making process, the platform strives to create a symbiotic relationship that enhances the overall quality of summer training experiences.
SMART DEVICE THAT TRACKS CHILDREN FOR	Safety, Security, Track, Solve problems, Solutions, Prevent child, Loss and abduction This paper introduces a smart device that aims to prevent child abduction and loss by tracking children Child abduction and loss are critical societal issues that can have severe consequences on the child's safety and family well-being. The proposed smart device combines advanced technologies such as GPS, RFID, and mobile communication to track and monitor children's whereabouts in real-time. The device is designed to be inconspicuous and wearable, ensuring that

PREVENTION OF ABDUCTION AND LOSS	children can carry it comfortably without attracting unwanted attention. Additionally, the device is equipped with features like geo fencing and panic buttons to enable quick response and alert parents or authorities in case of potential threats. The system utilizes a user friendly mobile application that provides parents with accurate and up-to-date information regarding their child's location and activities. This smart device aims to provide an effective solution to prevent child abduction and loss by leveraging technological advancements to enhance child safety and security.
THE IMPACT OF SOCIAL MEDIA ON YOUTH: MENTAL HEALTH, RELATIONSHIPS, AND COMMUNICATION	This project looks at how social media affects young people in three main areas: how they feel, their relationships, and how they communicate. We explore both good and not-so-good impacts on mental health, like online bullying and feeling pressured to be perfect. We also study how social media changes the way young people form relationships and talk to each other. By using real stories and research, we aim to understand the connection between social media and the well-being of young people and suggest ways to make it better for them.
SECURITY IN SMART PHONE APPLICATIONS	Problem Background: In order to protect their end users, the most popular smartphone platforms, Android and iOS, include built-in security mechanisms. Android is not an open-source mobile operating system without security vulnerabilities. Even iOS, a private technology that incorporates certain open source components, has these constraints. Method: The popularity of Android drives the availability of Android apps, making it easier for everyone to perform transactions using these smartphones. Furthermore, the malware attacks are of great importance. In order to find a safe environment for developing applications that can conduct secure transactions on Android-based smartphones, this thesis examines Android security. We propose and implement the user-approved security model, also known as the need-based security (NBS) model, into Android to restrict access to resources on a smartphone during runtime. This NBS system suggests the use of a reverse engineering technique that limits an app's access to resources and establishes a need-based system. To make Android more secure and to keep track of the files accessed by any malicious apps downloaded from various places on the web, we also propose a unique technique for an improved security framework that can be combined with the current Android Security Framework. The proposed improved security architecture enhances the security of the Android File System by restricting apps that mimic known malware's actions. This paper also discusses a revolutionary way to secure smartphone data using cryptographic algorithms. We also included the runtime detection and prevention mechanism, which restricts the access of malicious apps, to enhance user privacy. Primary Results: The experimental setup and implementation of these two platforms will form the basis of our comparative study. On the other hand, we are evaluating Elliptic Curve cryptography as a practical cryptographic method due to its low computing cost. Using the widely used Android operating system, this study investigates possible ECC applications.

	Conclusion: We have tested the ECC algorithms using the Android library to assess their practical performance. We have developed custom security protocols for smartphones using the Android operating system.
DETECTING THE SECURITY OF LINK ON THE WEB	In today's digital landscape, ensuring the safety of online content is of paramount importance. This project aims to develop a website that allows users to check the safety of links they encounter on the internet. The website will provide users with details about the links, such as the destination, protocol, and creation date, empowering them to make informed decisions about accessing the content. The system will employ various algorithms and databases to classify links as "Safe," "Unconfirmed," or "Suspicious." Additionally, the platform will offer the functionality to test links, as well as detect whether text messages originate from trusted sources. The project highlights the significance of digital security, emphasizing the need to exercise caution, preserve personal data, and trust only reputable parties. To enhance the accuracy of the analysis, the system will leverage a database containing the names of reliable companies. By incorporating security checks, studying correlations and cyber-attacks, and providing safety tips, the website aims to educate users on best practices for handling links and text messages. Furthermore, the platform will allow users to contribute comments and ratings to improve the accuracy of the analysis results. In summary, the development of a website that offers link safety checks and text message verification serves as a valuable resource in today's digital world. By providing users with the tools and information necessary to make informed decisions, promoting digital security practices, and fostering a community-driven approach, this project contributes to a safer and more secure online environment.
The Patient Voice	Voice of the Patient is a web-based platform designed to empower users to voice their complaints and concerns regarding healthcare services. The platform allows users to submit their complaints. The objective of the website is to provide a convenient and accessible channel for patients to express their grievances, enabling healthcare providers to address and resolve issues effectively. The complaints submitted through Voice of the Patient undergo a systematic review process. Healthcare professionals and administrators responsible for complaint management can access the platform to review and address each complaint promptly. The website supports efficient resource allocation by automatically scheduling and assigning complaints to the appropriate personnel based on their expertise and workload. To ensure data privacy and compliance with regulations, the platform incorporates robust security measures. Patient information is encrypted and stored securely, with access restricted to authorized personnel only. Compliance with healthcare data protection regulations, such as HIPAA, is strictly adhered to in order to maintain the confidentiality and integrity of patient data. Voice of the Patient aims to improve the overall quality of healthcare services by providing a transparent and efficient channel for patient feedback. By collecting and addressing patient complaints, healthcare providers can identify areas for improvement, enhance patient satisfaction, and cultivate a patient centric approach to healthcare delivery. Based on the provided abstract, it appears that the "Patient Voice" project is a promising initiative to enhance patient engagement and improve healthcare outcomes. By facilitating communication between patients and hospitals, it can lead to improved care quality and better meet the needs of patients.

Be secured in Social media	This application combines data analysis and information security using the Python and flutter and PHP and Database programming languages. The app will analyze social media data and provide comprehensive security reports. Using Python, the application can collect and analyze data from social media platforms such as Facebook, Twitter, and Instagram, and provide reports on the security of the user's account and potential threats. This application will be available on the Apple Store and google play. The goal of our project is to create an application on the Apple system and android system. The goal of the application is to improve security awareness, protect the accounts of companies and individuals across social networking sites from potential risks, and disclose their information by issuing security reports on an ongoing basis in order to help users understand and improve the security of their accounts and reduce cyber risks. At the beginning of the report, we must include an introduction that explains the goal and idea of the project. The report must include system analysis diagrams, system design diagrams, use case diagrams, activities, and data flow diagrams.
GIVE AND TAKE WEBSITE	This project presents a charitable electronic platform designed to bridge the gap between surplus materials and essential needs by connecting donors with individuals, or communities in need. The platform aims to facilitate seamless connections enabling users to donate and access a diverse range of tangible items, including .furniture, electronics, and clothing The primary objectives of this initiative are to foster a culture of solidarity and assistance within communities, alleviate material shortages, and streamline the donation process. Through an intuitive and user-friendly interface, the platform seeks. to enhance user experience for both donors and recipients.
Automated License Plate Recognition in Parking Lots using Machine Learning	Machine learning using deep learning techniques and neural networks is used to discern and extract license plate information from surveillance camera images in parking lots. This technology can be applied for many purposes, such as tracking entry and exit time. Thanks to deep learning and optical recognition techniques, the ALPR system can serve as a smart and automatic solution in parking, where it can quickly and accurately analyze and understand car data. The use of machine learning techniques in this context depends on the use of computer power to improve the process of identifying license plates more effectively compared to conventional methods, by developing accurate and effective models capable of controlling them.