

Curriculum Vitae

A. Personal Information

- **Name:** Fathe Jeribi
- **Nationality:** Saudi
- **Address:** Jazan, Saudi Arabia
- **Email:** fjeribi@jazanu.edu.sa
- **Phone Number:** +966542345175
- **Current Designation:** Head of Computer Science Department
Associate Professor
College of Engineering and Computer Science
Jazan University, Saudi Arabia

B. Professional Preparation (Chronological)

- **Jazan University, Jazan, Saudi Arabia**
 - Information Systems, BS, 2010
- **Sacred Heart University, Fairfield, CT, USA**
 - Computer Science and Information Technology, MS, 2014
- **Towson University, Towson, MD, USA**
 - Information Technology, PhD, 2018

C. Appointments (Reverse Chronological)

- **2023 (August) - Now**
 - Associate Professor, Department of Information Technology and Security, College of Computer Science and Information Technology, Jazan University, Saudi Arabia
- **2021 - Now**
 - Head of Department of Information Technology and Security, College of Computer Science and Information Technology, Jazan University, Saudi Arabia
- **2019 (May) - 2023 (August)**
 - Assistant Professor, Department of Information Technology and Security, College of Computer Science and Information Technology, Jazan University, Saudi Arabia
- **2014-2019**
 - Lecturer, Department of Information Systems, College of Computer Science and Information Systems, Jazan University, Saudi Arabia
- **2010-2014**
 - Teaching Assistant, Department of Information Systems, College of Computer Science and Information Systems, Jazan University, Saudi Arabia

D. Awards

- **2010**
 - Distinguished as the Top Student in Information System Department, College of Computer Science and Information Systems, Jazan University, Saudi Arabia

- **2014**
 - Received the Gold Medal of Excellence from Computer Science and Information Technology Department at Sacred Heart University, Fairfield, CT, USA. This Medal was nominated for outstanding academic performance.

E. Certificates

- **2013**
 - Received the certificate of completion of Project Management: PMP preparation, through Lawrence Technological University's Professional Development Center, MI during Workshop at University of Bridgeport, CT, USA
 - Received the certificate of completion of Lean Six Sigma Yellow Belt, through Lawrence Technological University's Professional Development Center, MI during Workshop at University of Bridgeport, CT, US
- **2014**
 - Received Graduate Certificates in Web Development, Interactive Multimedia, Information Technology, and .Net Technology from the College of Arts and Sciences, Sacred Heart University Fairfield, CT, USA

F. Academic and Administrative Experience

- **2014-2015**
 - Member of Labs Administration Unit at College of Computer Science and Information Systems, Jazan University
 - Member of Exams Committee at College of Computer Science and Information Systems, Jazan University
 - Member of Information System Department Council at College of Computer Science and Information Systems, Jazan University
 - Course coordinator of Programming Course at College of Engineering, Jazan University
- **2016-2018**
 - Teaching experience at Towson University, MD, USA
- **2019**
 - Member of Committee that prepared bachelor program of Information Technology
 - Member of Committee of Programming Competition, College of Computer Science and Information Technology, Jazan University.
 - Jory Member of Student's Project Day, College of Computer Science and Information Technology, Jazan University.
 - Course Coordinator of Software Engineering Course.
- **2019-2020**
 - Coordinator of Diplomas of Community Service, which are conducted at College of Computer Science and Information Technology, Jazan University
 - Head of Exam Committee of Diplomas of Community Service, College of Computer Science and Information Technology, Jazan University
 - Supervisor of committee that preparing scholarship plan for the Department of Information Technology and Security, College of Computer Science and Information Technology, Jazan University
 - Member of Committee that prepared Master of Cybersecurity Program

- **2020**
 - Member of Conferences Committee at College of Computer Science and Information Technology, Jazan University
 - Coordinator of Summer Training, College of Computer Science and Information Technology, Jazan University
 - Supervision on developing an electronic system for summer training for College of Computer Science and Information Technology, Jazan University
- **2020-2021**
 - Head of Industrial/Cooperative Training Committee, Department of Information Technology and Security, College of Computer Science and Information Technology, Jazan University
 - Head of Student Activities Committee, Department of Information Technology and Security, College of Computer Science and Information Technology, Jazan University
 - Head of Cooperative Training and Community Service Unit at College of Computer Science and Information Technology, Jazan University
 - Head of Student Activities Unit at College of Computer Science and Information Technology, Jazan University
- **2019-2021**
 - Head of Scholarship Unit at College of Computer Science and Information Technology, Jazan University
 - Head of Scholarship Committee at Department of Information Technology and Security, College of Computer Science and Information Technology, Jazan University
 - Member of Information Technology and Security Department Council at College of Computer Science and Information Technology, Jazan University
 - Supervision on graduation projects at Department of Information Technology and Security, College of Computer Science and Information Technology, Jazan University
 - Academic Advisor for student of Department of Information Technology and Security, College of Computer Science and Information Technology, Jazan University
- **2021**
 - Supervisor of organizational committee of the Fifth Projects Day and International Day of Information Technology, which is conducted at College of Computer Science and Information Technology, Jazan University
 - Head of organizational committee of the First Advising Day for Graduates, which is conducted at College of Computer Science and Information Technology, Jazan University
- **2022-2023**
 - Participation in NCAAA Accreditation for Computer & Networks Engineering Program at College of Computer Science and Information Technology, Jazan University.

- **2019-Now**
 - Member of Curriculum & Teaching Committee at Department of Information Technology and Security, College of Computer Science and Information Technology, Jazan University
- **2020-Now**
 - Member of Saudi Scientific Society for Information Technolog
- **2021-Now**
 - Member of College of Computer Science and Information Technology Council, Jazan University
 - Head of Information Technology and Security Department Council at College of Computer Science and Information Technology, Jazan University
 - Head of Advisory Council of Information Technology and Security Department Council at College of Computer Science and Information Technology, Jazan University
 - Member Advisory Council of College of Computer Science and Information Technology, Jazan University
- **2023-Now**
 - Member of Standing Committee of Training and Scholarship at Jazan University.
 - Editorial Board at the Saudi Journal of Applied Sciences and Technology at Jazan University
 - Members at Engineering and Technology Research Center, Jazan Univrersity
 - Certified Trainer in Data Science from IBM.
- **2025-Now**
 - Member of Standing Committee of Cybersecurity at Jazan University.

G. Reviewer for Journals and Conferences

- Reviewer at 4th International Conference on Recent Trends in Computer Science and Technology (ICRTCST), India (2022).
- Session Chair at 4th International Conference on Recent Trends in Computer Science and Technology (ICRTCST), India (2022).
- Reviewer at the International Conference on Electrical, Computer, Communications and Mechatronics Engineering, Maldives (2022).
- Reviewer at the Journal of Supercomputing (2022, Now).
- Reviewer at the Journal of Soft Computing (2022, Now).
- Reviewer at The 3rd International Conference on Electrical, Computer, Communications and Mechatronics Engineering (2023)
- Reviewer at the Journal of Intelligent & Fuzzy Systems (2023, Now).
- Program Committee at the Third International Conference on Innovations in Computing Research (2023, Now).

H. Training Courses and Conferences

- Has participated in the First Scientific Conference for students at Jazan University, Jazan, Saudi Arabia, 2010
- Has participated in the Summer Enrichment Program, which held in Almadinah Almunawarah Center for the Gifted under the supervision and support of King Abdulaziz & his Companions Foundation for the Gifted from 19/06/2004 until 15/07/2004

- Has attended the 2016 IEEE International Conference on Big Data (IEEE Big Data 2016) on December 5-8 at Washington, DC, USA
- Conducted a training course for students entitled “Web Design” in cooperation with the Ministry of Communications and Information Technology, 2019
- Has attended "Course Learning Output (CLO) and Program Learning Output (PLO)" Workshop at Academic Development Deanship, Jazan University, Saudi Arabia, 2019
- Has attended "Skills in Learning and Teaching" Workshop at Academic Development Deanship, Jazan University, Saudi Arabia, 2020
- Has attended "Student Assessment" Workshop at Academic Development Deanship, Jazan University, Saudi Arabia, 2020
- Has attended the "Five Principles of Purposeful Online Learning" Workshop organized remotely by the National Center for E-Learning, 2020
- Conducted a lecture entitled “E-Learning Applications at Jazan University” at the Forum of the Role of the Teacher in Times of Crisis and Perception of the Future of Education, which was organized by the University College in Al-Ardah in the first semester of the year 1441-1442
- Conducted a workshop entitled “Solving Problems using Python” for Alumni Students, which was organized by the University College in AbuArish, 2021
- Conducted a workshop entitled “How to Write CV” for Alumni Students, which was organized by the College of Computer Science and Information Technology “Mahlia Campus”, 2021
- Conducted a workshop “Skills for Preparing Graduation Projects” for students of Department of Information Technology and Security, College of Computer Science and Information Technology, Jazan University, 2022.
- Attended the 2nd Global AI Summit, Riyadh 2022.

I. Community Services

- Conducted a workshop at the National Science and Technology Forum at Manarat Al-Majd National School in Jazan from 7-12-1440 to 7-14-1440
- Conducted a seminar entitled “Cyber Security” at Al-Harajah Secondary School in Damad Governorate on November 25, 2019
- Conducted a seminar entitled “Secure E Shopping” in 2021
- Conducted a workshop entitled “Technical Challenges and its solution” in the Computer and Technical Week, Jazan University in 2021
- Conducted a training course in Microsoft Office “Excel” for Public Security in 2021
- Conducted a training course in Cybersecurity for Public Security in 2021
- Supervisor of Committee of International Day of Information Technology, College of Computer Science and Information Technology, 2021
- Supervisor of Committee of Technical Day, Alrashid Mall, 2022

J. Funded Projects

- **Primary Investigator (PI)** for project “Novel Trust Management Technique Using Blockchain for Internet of Things”. Project Number (W43-077). This project is funded by Jazan University “Waed Program”, 2021.

- **Primary Investigator (PI)** for project “AI Technology in Promoting and Enhancing the Tourism and Heritage Sector in the Kingdom of Saudi Arabia”. Project Number (ISP22-41). This project is funded by Jazan University Institutional Funding Program for Research & Innovation- Phase II, 2022.
- **Primary Investigator (PI)** for project “Retinal Image Analysis using Deep Learning for Diagnosing Diabetes-based Eye Abnormalities”. Project Number (ISP23-87). This project is funded by Jazan University Institutional Funding Program for Research & Innovation, 2023.

K. Patents

- A System and Method for Cyber Security Through Blockchain Technology. Patent No:2021105872. Year: 2021

L. Published Papers

- **Jeribi, Fathe**, and Sungchul Hong. "Solar Power and Electricity Market in Saudi Arabia." In *2018 IEEE 16th International Conference on Software Engineering Research, Management and Applications (SERA)*, pp. 7-12. IEEE, 2018.
- **Jeribi, Fathe**, and Sungchul Hong. "Solar and Home Battery Based Electricity Spot Market for Saudi Arabia." In *Proceedings of the International Conference on Information and Knowledge Engineering (IKE)*, pp. 34-40. The Steering Committee of The World Congress in Computer Science, Computer Engineering and Applied Computing (WorldComp), 2018.
- **Jeribi, Fathe**, and Sungchul Hong. "Solar and Home Battery Based Spot Market for Saudi Arabia Using Consortium and Negotiation." In *Proceedings of the International Conference on Software Engineering Research and Practice (SERP)*, pp. 201-207. The Steering Committee of The World Congress in Computer Science, Computer Engineering and Applied Computing (WorldComp), 2018.
- Masud, Usman, **Fathe Jeribi**, Mohammed Alhameed, Ali Tahir, Qasim Javaid, and Faraz Akram. "Traffic congestion avoidance system using foreground estimation and cascade classifier." *IEEE Access* 8 (2020): 178859-178869.
- Masud, Usman, **Fathe Jeribi**, Ahmad Zeeshan, Ali Tahir, and Mudassar Ali. "Highly sensitive microsensor based on absorption spectroscopy: Design considerations for optical receiver." *IEEE Access* 8 (2020): 100212-100225.
- Amin, Rashid, Mudassar Hussain, Mohammed Alhameed, Syed Mohsan Raza, **Fathe Jeribi**, and Ali Tahir. "Edge-Computing with Graph Computation: A Novel Mechanism to Handle Network Intrusion and Address Spoofing in SDN." *CMC-COMPUTERS MATERIALS & CONTINUA* 65, no. 3 (2020): 1869-1890.
- Masud, Usman, **Fathe Jeribi**, Alhameed Mohammad, Faraz Akram, Ali Tahir, and Mohammad Yousaf Naudhani. "Two-mode biomedical sensor build-up: Characterization of optical amplifier." *Computers, Materials & Continua* 70, no. 3 (2021): 5487-5489.
- Arif, Tuba, Ali Javed, Mohammed Alhameed, **Fathe Jeribi**, and Ali Tahir. "Voice spoofing countermeasure for logical access attacks detection." *IEEE Access* 9 (2021): 162857-162868.
- **Jeribi, Fathe**, and Sungchul Hong. "Viability of water making from air in Jazan, Saudi Arabia." In *Advances in Data Science and Information Engineering*, pp. 847-857. Springer, Cham, 2021.

- **Jeribi, Fathe**, Sungchul Hong, and Ali Tahir. "Water Market for Jazan, Saudi Arabia." In *Advances in Software Engineering, Education, and e-Learning*, pp. 729-740. Springer, Cham, 2021.
- Perumal, Uma, Mohammed Hameed Alhameed, and **Fathe Jeribi**. "Wireless Network Technologies For Emergency Remote Teaching And Predicting Teaching Staff Performance." *Design Engineering* (2021): 13169-13181.
- Saleem, Tausifa Jan, Syed Rameem Zahra, Fan Wu, Ahmed Alwakeel, Mohammed Alwakeel, **Fathe Jeribi**, and Mohammad Hijji. "Deep Learning-Based Diagnosis of Alzheimer's Disease." *Journal of Personalized Medicine* 12, no. 5 (2022): 815.
- Al-Shourbaji, Ibrahim, Mohammed Alhameed, Anwer Katrawi, **Fathe Jeribi**, and Sophia Alim. "A Comparative Study for Predicting Burned Areas of a Forest Fire Using Soft Computing Techniques." In *ICDSMLA 2020*, pp. 249-260. Springer, Singapore, 2022.
- Bhatia, Surbhi, Shadab Alam, Mohammed Shuaib, Mohammed Hameed Alhameed, **Fathe Jeribi**, and Razan Ibrahim Alsuwailem. "Retinal vessel extraction via assisted multi-channel feature map and U-net." *Frontiers in Public Health* 10 (2022).
- Martin, R. John, **Fathe Jeribi**, and S. L. Swapna. "Artificial Intelligence in Healthcare during Covid-19 Pandemic." *International Journal of Computer Applications* 975: 8887.
- Alhameed, Mohammed, **Fathe Jeribi**, Bushra Mohamed Elamin Elnaim, and Mohammad Alamgir. "Pandemic disease detection through wireless communication using infrared image based on deep learning." *Mathematical Biosciences and Engineering* 20, no. 1 (2023): 1083-1105.
- **Fathe Jeribi**. "A Systematic Survey on Internet of Things (IoMT) Frameworks during Covid-19 Pandemic". Jazan University Journal of Applied Sciences (2022)
- **Fathe Jeribi**. "A Novel Classifier for Cyber Attack Detection System in Industrial Internet of Things". Journal of Engineering and Applied Sciences, Majmaah University (2022)
- **Fathe Jeribi**. "IoT and Machine Learning based Green AI suitability Model for Predicting Electronic Waste". Jazan University Journal of Applied Sciences (2022).
- **Fathe Jeribi**, Rashid Amin, Mohammed Alhameed, and Ali Tahir. "An efficient Trust Management Technique using ID3 Algorithm with Blockchain in Smart Buildings IoT." *IEEE Access* (2022).
- Alhameed, Mohammed Hameed, S. Shanthi, Uma Perumal, and **Fathe Jeribi**. "Remote Patient Monitoring: Data Sharing and Prediction Using Machine Learning." *Tele-Healthcare: Applications of Artificial Intelligence and Soft Computing Techniques* (2022): 317-337
- **Jeribi, Fathe**, and Uma Perumal. "Lesion Detection Based BT Type Classification Model Using SVT-KLD-FCM and VCR-50." In *International Conference on Computing and Information Technology*, pp. 11-25. Cham: Springer Nature Switzerland, 2023.
- Alqahtani, Yahya, Marriam Nawaz, Tahira Nazir, Ali Javed, **Fathe Jeribi**, and Ali Tahir. "An improved deep learning approach for localization and Recognition of plant leaf diseases." *Expert Systems with Applications* (2023): 120717.

- Nawaz, Marriam, Tahira Nazir, Ali Javed, Sherif Tawfik Amin, **Fathe Jeribi**, and Ali Tahir. "CoffeeNet: A deep learning approach for coffee plant leaves diseases recognition." *Expert Systems with Applications* (2023): 121481.
- Mittal, Ruchi, **Fathe Jeribi**, R. John Martin, Varun Malik, Santhosh Joseph Menachery, and Jaiteg Singh. "DermCDSM: clinical decision support model for dermatosis using systematic approaches of machine learning and deep learning." *IEEE Access* (2024).
- **Jeribi, Fathe**, Tahira Nazir, Marriam Nawaz, Ali Javed, Mohammed Alhameed, and Ali Tahir. "Recognition of diabetic retinopathy and macular edema using deep learning." *Medical & Biological Engineering & Computing* (2024): 1-15.
- **Jeribi, Fathe**, R. John Martin, Ruchi Mittal, Hassan Jari, Abdulrahman Hassan Alhazmi, Varun Malik, S. L. Swapna, S. B. Goyal, Manoj Kumar, and S. Vikram Singh. "A deep learning based expert framework for portfolio prediction and forecasting." *IEEE Access* (2024).
- Nawaz, Marriam, Tahira Nazir, Ali Javed, Sherif Tawfik Amin, **Fathe Jeribi**, and Ali Tahir. "CoffeeNet: A deep learning approach for coffee plant leaves diseases recognition." *Expert Systems with Applications* 237 (2024): 121481.
- Mittal, Ruchi, **Fathe Jeribi**, R. John Martin, Varun Malik, Santhosh Joseph Menachery, and Jaiteg Singh. "DermCDSM: clinical decision support model for dermatosis using systematic approaches of machine learning and deep learning." *IEEE Access* (2024).
- Mustaqeem, Mohd, Suhel Mustajab, Mahfooz Alam, **Fathe Jeribi**, Shadab Alam, and Mohammed Shuaib. "A trustworthy hybrid model for transparent software defect prediction: SPAM-XAI." *Plos one* 19, no. 7 (2024): e0307112.
- Tahir, Ali, and **Fathe Jeribi**. "An Efficient Hierarchical Mechanism for Handling Network Partitioning Over Mobile Ad Hoc Networks." *International Journal of Advanced Computer Science & Applications* 15, no. 9 (2024).
- Tabarej, Mohd Shamsh, Sonajharia Minz, Anwar Ahamed Shaikh, Mohammed Shuaib, **Fathe Jeribi**, and Shadab Alam. "Graph-Based Hotspot Detection of Socio-Economic Data Using Rough-Set." *Mathematics* 12, no. 13 (2024): 2031.
- Perumal, Uma, Fathe Jeribi, and Mohammed Hameed Alhameed. "An Enhanced Transportation System for People of Determination." *Sensors* 24, no. 19 (2024): 6411.
- Martin, R. John, Ruchi Mittal, Varun Malik, **Fathe Jeribi**, Shams Tabrez Siddiqui, Mohammad Alamgir Hossain, and S. L. Swapna. "XAI-Powered Smart Agriculture Framework for Enhancing Food Productivity and Sustainability." *IEEE Access* (2024).
- **Fathe Jeribi**, Uma Perumal, and Mohammed Hameed Alhameed. "Recommendation System for Sustainable Day and Night-Time Cultural Tourism Using the Mean Signed Error-Centric Recurrent Neural Network for Riyadh Historical Sites." *Sustainability* 16, no. 13 (2024): 5566.
- Rana, Nadim, **Fathe Jeribi**, Zeba Khan, Wagdi Alrawagfeh, Imed Ben Dhaou, Mohammad Haseebuddin, and Mueen Uddin. "A systematic literature review on contemporary and future trends in virtual machine scheduling techniques in cloud and multi-access computing." *Frontiers in Computer Science* 6 (2024): 1288552.
- Kishor Kumar Reddy, C., Vijaya Sindhoori Kaza, R. Madana Mohana, Mohammed Alhameed, **Fathe Jeribi**, Shadab Alam, and Mohammed Shuaib. "Detecting anomalies in smart wearables for hypertension: a deep learning mechanism." *Frontiers in Public Health* 12 (2025): 1426168.