

# NUSRAT HAMID SHAH

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## PERSONAL STATEMENT:

A dedicated, capable and professional academic with more than seven years of experience in teaching under-graduate level university courses. I am an enthusiastic, resourceful, professionally committed and responsible individual, who can adapt easily to new situations. I have developed a particular interest in the field of Computing and would love to advance my understanding of it, with experts at a remarkable institution.

## EDUCATION

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| <b>Doctor of Philosophy (Ph.D)</b><br><i>Universiti Teknologi Malaysia, Kuala Lumpur, Malaysia</i>                         | <b>2025</b> |
| <b>Master of Computer Applications (MCA)</b><br><i>University of Pune, Pune, India</i>                                     | <b>2013</b> |
| <b>Bachelor of Computer Applications (BCA)</b><br><i>University of Pune, Pune, India</i>                                   | <b>2010</b> |
| <b>Higher Secondary Certificate (HSC)</b><br><i>Jammu &amp; Kashmir State Board of School Education, Srinagar, Kashmir</i> | <b>2006</b> |
| <b>Secondary School Certificate (SSC)</b><br><i>Jammu &amp; Kashmir State Board of School Education, Srinagar, Kashmir</i> | <b>2004</b> |

## TEACHING EXPERIENCE

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**Lecturer in Computer Science** **Nov' 2013 - present**  
*Department of Computer Science & Information Technology, Jazan University, KSA*

- Facilitator and lecturer for courses like Java Programming, C++ Programming, Mobile Communications etc.

- An active member in the Academic Development Committee involved in the improvisation of various course materials in the Department of Computer Science.
- Supervised under-graduate students in their various projects.
- Counsel under-graduate students as an academic advisor
- Plan and execute workshops for under-graduate students

## PUBLICATIONS

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- International Journal of Engineering Sciences and Technology– Wireless Notice Board Based on Arduino and GSM Technology,
- “Secure Agent Interaction System for Monitoring Industrial IoT Classification using Attribute Selection” NeuroQuantology, AnKa Publisher, Volume 20, Issue 19, Pages 1353-1360, 2022
- Symmetric and asymmetric encryption schemes for Internet of Things: A survey, International Journal of Intelligent Systems and Applications in Engineering, Volume 11, Issue 1, Pages 254-260, 2023
- "TSM: A Cloud Computing Task Scheduling Model," *2023 6th International Conference on Contemporary Computing and Informatics (IC3I)*, Gautam Buddha Nagar, India, 2023, pp. 1575-1580, doi: 10.1109/IC3I59117.2023.10398151.
- “The Role of Internet of Things in Advancing Sustainable Consumption”, International Journal of Intelligent Systems and Applications in Engineering, Volume 12, Issue 1, Pages 317-323, 2024
- Wireless sensor network assisted automated forest fire detection using deep learning and computer vision model. *Multimedia Tools Appl* **83**, 26733–26750 (2024).  
<https://doi.org/10.1007/s11042-023-16647-5>
- "Challenges and Opportunities in Implementing Smart City Initiatives: A Global Perspective," *2024 Conference on Renewable Energy Technologies and Modern Communications Systems: Future and Challenges*, Shaqra, Saudi Arabia, 2024, pp. 1-6, doi: 10.1109/IEEECONF63577.2024.10881857.

## CERTIFICATIONS

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- Oracle Certified Professional- *JAVA SE 6 Programmer*
- Amazon Web Services Solutions Architect Associate (AWS)

## STRENGTHS

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- Excellent command of the English Language, spoken and written, with an eye for detail
- Self starter with a “can do” attitude
- Quick learner, with an ability to grasp and put into application ideas, concepts, methods and technologies
- Dedicated, innovative and self-motivated team player/builder
- Multi-lingual – English, Urdu & Kashmiri (*fluent*), Hindi & Arabic (*conversational*)