Shaba Irram

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Professional Summary:

Highly motivated teaching professional with 12 years of experience in the field of Computer Science. Adept at delivering a wide range of courses, from foundational programming to advanced software engineering. Committed to fostering innovation and excellence in students, with a track record of publishing in prestigious academic journals worldwide. Possesses a strong teaching philosophy and a diverse toolkit of methods to motivate students for in-depth expertise. Proactively contributes to university programs and community outreach events.

Work Experience:

Integral University,Assistant Professor (August 2025– Till date)

- Taught courses on the fundamentals of computer science like Computer Organisation and Mobile Computing.
- Other Responsibilities were class coordinator and NBA & NAAC team member.
- Implemented a project-based learning approach that emphasized teamwork and collaboration among students as they worked through real world problems
- Collaborated with other faculty members to organize events in the institutes to inculcate the co-curricular activities.

BBDNIIT, Assistant Professor (August 2020– August 2025)

- Taught courses in Information Technology department, including introductory programming classes for data structures, database management system, machine learning techniques and software engineering.
- Mentored 10+ graduate students through their dissertation research projects.
- Designed curriculum to teach students how to program computers, emphasizing problem solving skills over syntax and semantics.
- Implemented a project-based learning approach that emphasized teamwork and collaboration among students as they worked through real world problems.
- Some of the other responsibilities are class coordinator, admission counselor and NBA Criteria 2 member.

Speed Informatics, Assistant Professor (August 2013– June 2017)

- Developed and delivered lectures to students in the Computer Science & Engineering department on a variety of computer science topics such as programming, data structures, and software engineering.
- Created, administered, and graded assignments and exams to assess student learning.
- Advised and mentored students on their academic and professional development.
- Created resources (syllabus, lecture slides) for the course.

Vyas College of Engineering & Technology, Assistant Professor (Jan 2013 - June 2013)

- Taught courses on the fundamentals of computer science like Java Programming and Computer Networks.
- Other Responsibilities were class coordinator and examination cell member.
- Implemented a project-based learning approach that emphasized teamwork and collaboration among students as they worked through real world problems
- Collaborated with other faculty members to organize events in the institutes to inculcate the co-curricular activities.

Kautilya Institute Of Tech. & Engineering, Assistant Professor (July 2011– Jan 2013)

- Developed and taught a new course on the fundamentals of computer science for non-majors, with an emphasis on programming.
- Designed curriculum to teach students how to program computers using java, emphasizing problem solving skills.
- Some other responsibilities were projects, seminar organizer, and event hosting.
- Computer Science & Engineering Member of the website development team of the college.

Supertrainingblog, Assistant Engineer (July 2009– July 2011)

- Worked as an assistant engineer, managed company's online websites and blogs, using Word Press.
- Dedicated team player and detail-oriented professional with excellent problem-solving and communication skills.
- Managed IT infrastructure and resolved technical issues within strict deadlines, showcasing leadership in maintaining smooth operations and ensuring a seamless learning environment.

Qualification:

- UGC NET 2024 qualified with percentile score of **96.7%**.
- Pursuing **PhD** in Computer Science & Engineering from Integral University, Lucknow
- **M. Tech**. in Computer Science &Engineering (2017- 2019) from Integral University, Lucknow with 86.33% aggregate
- **B.E.** in (2006-2009) from J.I.E.T Jodhpur with 67.6% aggregate.
- **Engineering Diploma** in Computer Science & Engineering (2003-2006) from Govt. Polytechnic College Jodhpur with 74% aggregate.
- **XII** from Central Academy, Rajasthan Board, Jodhpur with 60% aggregate.
- **X** from Central Academy, Rajasthan Board, Jodhpur with 71% aggregate.

Skills:

Industry Knowledge: Machine Learning, Algorithms, Software Development, Data Structures

Technical Skills: Java, Python, Microsoft SQL, C, C++, Visual Studio

Soft Skills: Communication, Motivation, Leadership, Teamwork, Problem Solving, Creativity, Critical Thinking

Publications:

- Research Paper Under Consideration:"An early detection of Autism spectrum disorder using machine learning." in Computers in Biology and Medicine.(SCI)
- Published Research Paper:"A Hybrid Approach using Deep Reinforcement Learning and Particle Swarm Optimization for Cloud Task Scheduling" in International Conference on Advances in Science, Engineering and Technology (ICASET - 2024) in association with CRC Press, Routledge, Taylor and Francis Group.(Scopus)
- Published Review Paper: Shaba Irram " A SURVEY ON AUTISM DETECTION USING MACHINE LEARNING" Journal of Dynamics and Control, Volume 9 Issue 2 2025(Scopus)
- Published Research Paper: Shaba Irram " Parkinson Disease Detection System" International Journal of Innovative Science and Research Technology, Volume 10 -2025, Issue 2,February (Google Scholar)
- Published Research Paper: Shaba Irram " Face Mask Detection Using Machine Learning Techniques" Design Engineering, Issue 09, 2021, pp 9332-9342(Scopus)
- Published Research Paper: Shaba Irram " Research on Object Detection in Video Streaming Using Deep Learning" International Journal of Computational Engineering Research (IJCER), vol. 09, no.7, 2019, pp 34-43(UGC Care)
- Published Review Paper: Shaba Irram "Object Detection in Video Streaming Using Deep Learning" International Journal of Computer Science Trends and Technology (IJCST) – Volume 7 Issue 6, Nov - Dec 2019(Google Scholar)

Certifications:

- Outcome Based Curriculum Design from NITTTR Chandigarh.
- Developing Academic and Administrative Leadership from NITTTR Chandigarh.
- Biomedical Signal and Image Processing from NITTTR Chandigarh.
- Data Analysis Using Advanced Excel from E & ICT Academy, IIT Kanpur.
- Machine Learning Applications for Autonomous Driving from ATAL.
- Quantum Computing for Real World Applications from ATAL.
- Game Theory & Communication Networks from ATAL.
- Machine Learning from E & ICT Academy, IIT Kanpur.
- Introduction to LEAN Implementation from E & ICT Academy, IIT Kanpur
- Introduction to Cyber Security Implementation from E & ICT Academy, IIT Kanpur.
- Introduction to ISO 9001 from E & ICT Academy, IIT Kanpur.
- Advanced Research Trends of Satellite Image Processing in Land Surface Monitoring, from HRDC, Integral University, Lucknow.
- Participated in National level E-Quiz on P**lagiarism Awareness- Research & Academic Ethics** Through ISTE in **Integral University Lucknow**
- Participated in AICTE recognized Short Term Course on INDUCTION TRAINING PROGRAMME THROUGH ICT in Vyas College Of Engg. & Tech. Jodhpur.
- Trained to the faculties of Polytechnic Colleges of Rajasthan.
- Diploma Course in LOGO, BASIC, WINDOWS, DOS, UNIX, FOXPRO, LOTUS, MS-OFFICE.

- Professional Course in Computer hardware and Programming Languages.

LANGUAGES: English & Hindi

INTERESTS: Mandala art