

SARA FATIMA

ASSISTANT PROFESSOR -COMPUTER SCIENCE & ENGINEERING

CONTACT



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8-1-398/PM/210,
Paramount Hills,
Tolichowki, Hyderabad –
500008, Telangana, India

CERTIFICATIONS & FDPS

- NPTEL (2024) – Advanced Distributed Systems – Elite + Silver.
- NPTEL (2025) – Blockchain Technology & Its Applications – Elite.
- ATAL FDP (2024) – Generative AI for Image & Video Synthesis in Computer Vision

LANGUAGES

- English (Fluent)
- Urdu
- Hindi

AREAS OF EXPERTISE

- Formal Languages & Automata Theory
- Machine Learning
- Data Structures
- Operating Systems
- Algorithm Design & Analysis
- Cloud Computing



PROFILE

Dedicated and student-focused Assistant Professor with over 3.5 years of academic experience in Information Technology. Proven track record of mentoring students, managing departmental responsibilities, and delivering effective teaching using modern pedagogical techniques.



WORK EXPERIENCE

Assistant Professor

2021 - Sep, 2025

Shadan Women's College of Engineering & Technology

- Delivering Subject Expertise: Teach undergraduate and postgraduate courses in IT, including theory and practical sessions, using modern pedagogical techniques.
- Student Mentorship & Project Guidance: Mentor students academically and guide them through mini and major project work, fostering research and innovation.

Roles & Responsibilities

- Class Coordinator
- Student Mentor
- Project Guide (UG/PG – Mini & Major Projects)
- Department Data Management for NBA and NAAC
- Department Coordinator – Entrepreneurship Development Cell (EDC)



EDUCATION

- Ph.D. (Pursuing), B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai
- M.Tech (CSE), Shadan Women's College of Engineering & Technology, JNTU-Hyderabad, 2016 – 81%
- B.E. (CSE), Muffakham Jah College of Engineering & Technology, Osmania University, 2013 – 83%
- Intermediate (MPC), Narayana Junior College, Hyderabad – 95%
- IELTS – 8 Band Score

RESEARCH PUBLICATIONS

- "Enhancing Security, Efficiency and Scalability in Cryptocurrency Platforms"– 2nd International Conference on Recent Developments in Cyber Security, 2024
- "Blockchain Block Propagation: Challenges, Optimizations, and Research Directions" – Submitted to International Journal of Computer Networks & Communications (Under Review – 2025)
- "Interactive AI System for Remote Sensing Change Detection & Analysis" – IEEE International Conference on Next-Gen Technologies of AI & GeoScience Remote Sensing (2025)