

Curriculum Vitae

Umme Ruma

Asst professor, CSE

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Academic Profile

Course	Name of School / College	Board / University	Percentage / CGPA	Year of Passing
M.Tech(CSE)	Nawab Shah Alam Khan College of Engineering & Technology .	JNTU	83.12%	2014
B.Tech(CSE)	VIFCET	JNTU	77.61%	2010
MPC	Sultan-ul-uloom junior College	Board of intermediate	74.9%	2006
SSC	Crescent Girls High School	Board of Secondary	67%	2004

Professional Summary

Accomplished educator and visionary leader with over 10 years of experience in academia and research. Renowned for driving excellence in Data Science education, fostering innovation, and mentoring high-performing teams. Expertise in integrating technology, leading multidisciplinary projects, and cultivating an environment of continuous learning.

Key Roles and Achievements

- Head of Department (Data Science) in NSAKCET (2024-2025): Spearheaded curriculum innovation for Data Science, integrating industry trends and advanced technologies. Directed strategic research initiatives, resulting in published works and student accolades.
- SAP COE Coordinator: Orchestrated Center of Excellence operations, ensuring alignment with organizational goals and academic standards.
- Mentor to SIH Team: Guided Smart India Hackathon teams to success by fostering critical thinking and collaborative problem-solving skills.

Education

Master of Technology (M.Tech) in Computer Science

Thesis: 'HASBE: A Hierarchical Attribute-Based Solution for Flexible & Scalable Access Control in Cloud Computing'

Bachelor of Technology (B.Tech) in Computer Science and Engineering

Project: 'Map-Based Aggregator on Drupal & Joomla'

Technical Skills

- Programming Languages: Python, C, C++, Java
- Data Science Expertise: Machine Learning, Big Data (Hadoop, Spark), Statistical Analysis
- Web Development: HTML, CSS, JavaScript, XML
- Databases: SQL
- Productivity Tools: MS Office Suite

Professional Experience

Assistant Professor

Nawab Shah College of Engineering and Technology, Hyderabad (2011- Feb'2025)

- Delivered in-depth lectures on Data Science, Big Data, and programming languages, preparing students for real-world applications.
- Organized and participated in faculty development programs, enhancing institutional capacity for innovation.
- Conducted workshops on Android Development and emerging technologies to promote technical expertise.

Assistant professor

Lords Institute of Engineering and Technology (March 2025- 2026)

Publications

1. 'A Robust Path Reconstruction Using Compressive Wireless Sensor Networks' – IJIERM, July 2017.
2. 'A Survey on Attribute-Based Encryption Using Security Algorithms in Cloud Computing' – IJRECS, July 2017.
3. 'An Advanced Approach in IoT: Providing Smart Services to Electronic Devices' – Presented at ICRIEAT-2017.

Workshops and Certifications

- Completed training in Android Development and advanced software technologies.
- Participated in workshops on IoT, Machine Learning, and Data Science trends.

Awards and Recognitions

- Recognized for outstanding contributions to the field of education and technology.
- Successfully mentored student teams to victory in intercollegiate hackathons and competitions.

Personal Information

Languages Known: English, Urdu

Hobbies: Reading, Music, Mehndi Designing, Badminton, Throwball

Declaration:

I hereby declare that the above details are accurate and true to the best of my knowledge.

Place: Hyderabad