



Ms. Preethi V is an Assistant Professor in the Department of Computer Science and Engineering (Cyber Security) with over 3 years of combined industry and academic experience. He possesses extensive expertise in Computer Networks, Cyber Security, Cloud Security, Ethical Hacking, Vulnerability Assessment, Database Management Systems, Software Engineering, and IT Infrastructure Management.

Currently pursuing a Ph.D. in Computer Science and Engineering, her research interests include Artificial Intelligence for Healthcare, Network Security, Cyber Security, Cloud Security, and Intrusion Detection Systems. She has published research articles in Scopus-indexed journals, presented papers at international conferences.

As an educator, she is committed to delivering industry-oriented learning experiences, mentoring students in technical and career development, and fostering innovation through research, projects, certifications, and extracurricular activities. Her goal is to bridge the gap between academia and industry by integrating practical knowledge, emerging technologies, and research-driven approaches into engineering education.

Research Interests

- Cyber Security and Network Security
- Security Operations Center (SOC) and Security Monitoring
- Threat Detection and Incident Response
- Artificial Intelligence in Healthcare
- Intrusion Detection and Prevention Systems
- Cloud Computing and Cloud Security
- Artificial Intelligence and Machine Learning
- Deep Learning
- Generative AI
- Software Engineering and Testing
- Computer Networks and Network Administration

Professional Highlights

Research & Publications

- Published a research paper titled "Graph Databases in Web Applications for Analyzing the Network" in the International on Computing Technologies (ICOCT)
- Actively involved in research in Cyber Security, Artificial Intelligence, Quantum Computing, Cloud Security, and Intrusion Detection Systems.
- Currently pursuing Ph.D. in Computer Science and Engineering, focusing on advanced research in emerging computing technologies and cybersecurity domains.

Academic & Teaching Achievements

- 1 year of experience as Assistant Professor in the Department of Cyber Security at ACS College of Engineering.
- Taught Ethical Hacking, Network Security, Elements of Cybersecurity, and Advanced Cybersecurity.
- Delivered practical, industry-relevant learning experiences to engineering students.

Industry Experience & Technical Expertise

- 1 year of experience at Mikrosen Sensors and Devices Pvt Ltd, working with sensors and devices, with hands-on exposure to chip manufacturing
- 1 year of experience at Vedantu Innovations Pvt Ltd, working as a Mentor and AI Developer Certifications & Professional Development
- Successfully cleared TCS NQT Exam in the year 2024.
- Participated in multiple Faculty Development Programs on Cloud Computing, Cyber Security, Ethical Hacking, Quantum Computing, Generative AI, and Computational AI.

Vision and Goals

Ms. Preethi V envisions advancing research in Artificial Intelligence for Healthcare, Cyber Security, Cloud Computing, and Computer Networks. Her goal is to develop intelligent AI-based healthcare solutions for disease diagnosis and prediction, while also contributing to secure and resilient digital infrastructures. Through research, innovation, and education, she aims to create impactful technologies that improve healthcare services and address emerging challenges in the digital era.

Contact Information

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