

Ms. Husna Sultana

Assistant Professor, Department of Computer Science Engineering

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Objective

Assistant Professor in Computer Science Engineering with interests in Data Science, Machine Learning, Data Analytics, and Cloud Computing. Experienced in undergraduate teaching, student mentoring, laboratory management, and research activities, with a commitment to academic excellence and continuous learning.

Academic Experience

Assistant Professor – Computer Science Engineering

JBIT College of Engineering and Technology

April 2025 – December 2025

- Taught undergraduate courses in Data Structures.
- Designed course materials, lesson plans, assignments, and assessments.
- Guided students in practical implementation of data structures using programming languages.

Computer Lab Incharge

Deccan Institute, Hyderabad, India

June 2022 – April 2025

- Taught undergraduate courses including Research Methodology.
- Assisted students in understanding core computer science concepts and project development.
- Managed and maintained computer laboratory systems, including software installation and troubleshooting.
- Supported academic research activities and encouraged student participation in technical learning.
- Collaborated with faculty members to enhance curriculum and learning resources.

Educational Qualifications

- **Master of Technology (M.Tech.)** in Computer Science Engineering
- **Bachelor of Technology (B.Tech.)** in Computer Science Engineering
- **Intermediate (MPC)**
- **SSC**

Publications

1. **"Stub Signature-Based Efficient Public Data Auditing System Using Dynamic Procedures in Cloud Computing"**

Published research work focusing on secure and efficient public data auditing techniques in cloud computing environments using dynamic procedures and signature-based verification mechanisms.

Areas of Interest

- Data Science
- Machine Learning
- Data Analytics
- Data Structures and Algorithms
- Database Management Systems
- Cloud Computing
- Artificial Intelligence
- Research Methodology

Project & practical experience

- **Stub Signature-Based Efficient Public Data Auditing System using Dynamic Procedures in Cloud Computing**

Deccan college of engineering and technology July 2024 -September 2024

Developed a stub signature-based efficient public data auditing system that improved security measures and reduced verification times by 25% using dynamic procedures in cloud computing environments.

- **Sign language Recognition Using Image Processing**

Vertilink organization • October 2023 - December 2023

Developed a sign language recognition system using image processing techniques, achieving a 90% accuracy rate in gesture detection, thereby enhancing communication tools for the deaf and hard of hearing community.

- **Evolution Of Machine Learning Algorithms on Autonomous robots**

vertilink organization • March 2021 - June 2021

Engineered advanced machine learning algorithms for autonomous robots, enabling precise object detection and task execution, which enhanced industrial workflow efficiency by 25%.

