

CURRICULUM VITAE

UMME HANI
SARA

Assistant Professor, CSE Department
Muffakhm Jah College of Engineering & Technology, Hyderabad, Telangana .
Email: ummehani.sara@mjcollege.ac.in

Academic Qualification:

B .Tech (Computer Science & Engineering) JNTUH
M. Tech (Computer Science & Engineering) JNTUH.
Pursuing Ph.D. (Computer Science & Engineering).

Experience:

2 Years of Teaching Experience.

Courses Handled :

Artificial Intelligence, Machine Learning, Data Science, Computer Vision, Reinforcement Learning, Database Management Systems (DBMS).

Academic Role : Project Guide(B.Tech), coordinator for Brain O Vision

Research Areas:

Artificial Intelligence & Machine Learning in Healthcare, Network Security.

Publications :

1. Breast Cancer Prediction Using Convolution Neural Network (CNN) with Explainable AI (XAI). DOI: 10.48047/IJARST/V16/I05/12
2. A Comprehensive Review of Machine Learning for Diabetes Risk Prediction. Presented at ICIEMSD, 15 April 2025.
3. Real-Time Crowd Anomaly Detection Using Spatio -Temporal Conv LSTM Autoencoders. DOI: 10.48047/IJARST/V16/I04/1
4. Early Diagnosis and Classification of Diabetic Retinopathy Using ResNet-V2 Driven Deep Learning Framework. Presented at International Conference on Interdisciplinary Research in Science, Engineering and Technology.
5. Clinical Transformation and Analytical Evaluation of Deep Learning Techniques for Early Diagnosis and Classification of Diabetic Retinopathy. Presented at ICISCM.
6. Network Traffic Classification Using Machine Learning. Published in International Journal of Advanced Multidisciplinary Application, 2 February 2024.

Patents (Published):

1. RESNet-V2 Enhanced Deep Learning and Explainable AI Framework for Early Detection of Diabetic Retinopathy (28 Nov 2025).
2. A Hybrid CNN Transformer Architecture for Accurate Detection of Diabetic Retinopathy (28 Nov 2025).

Languages Known:

English, Hindi, Telugu, Urdu.

Hobbies & Interests:

Active participant in International Arabic Calligraphy & Art Competitions. Passionate about Arts and Creative Design.

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