

## Faculty Profile

**Name:** Mr. DAMALLA RAMBABU



**Designation:** University Academic Fellow

**Teaching Areas:** Data Structures, Algorithms, Deep Learning

**Research Interests:** Machine Learning, Zero-Shot Learning, Remote Sensing Imagery Analysis

### Education:

- PhD, IIT Hyderabad, 2025
- M.Tech, NIT Warangal, 2015
- B,Tech, JNTU Pulivendula, 2012

### Research / Selected Publications:

1. Rambabu Damalla, Pratik Abhijeet Bendre, Gayathri C., Rajeshreddy Datla, Vishnu Chalavadi, TransRefine: Transformer-augmented feature refinement for zero-shot scene classification in remote sensing images, Pattern Recognition, Volume 162, 2025, 111406, ISSN 0031-3203, <https://doi.org/10.1016/j.patcog.2025.111406>.
2. Damalla Rambabu, Rajeshreddy Datla, Vishnu Chalavadi and C Krishna Mohan, "Self-supervised embedding for generalized zero-shot learning in remote sensing scene classification", Journal of Applied Remote Sensing 17 (2023): 032405- 032405.
3. Rambabu Damalla, Swetha. G, Rajeshreddy Datla, V. Chalavadi and C. K. Mohan, "RSZero-CSAT: Zero-Shot Scene Classification in Remote Sensing Imagery using a Cross-Semantic Attribute-guided Transformer," 2024 International Joint Conference on Neural Networks (IJCNN), Yokohama, Japan, 2024, pp. 1-8, doi: 10.1109/IJCNN60899.2024.10650858.