Malla Sujith Vaishnav

 github | sujithvaishnav | ✉ sujithvaishnavmalla@gmail.com | ☎ +91 8125349904 | 🌐 Portfolio

SUMMARY

Passionate machine learning enthusiast with proven hands-on experience in machine learning and deep learning using Python and TensorFlow. Skilled in building and deploying intelligent solutions to tackle real-world challenges. Driven by curiosity and continuous learning, I thrive in collaborative and fast-paced environments, with a strong focus on innovation, mentorship, and impactful problem-solving.

EDUCATION

Indian Institute of Information Technology, Sri City   2023 - 2027
B.Tech in Artificial Intelligence and Data science

Resonance Jr College, Vijayawada   2021 - 2023
Intermediate in MPC

TECHNICAL SKILLS

Programming Languages	Python (NumPy, Pandas, scikit-learn, TensorFlow), C, R, HTML
Platforms	Microsoft Windows, Ubuntu
Databases	MySQL
Machine Learning	Supervised and Unsupervised Learning, Neural Networks, Object Detection
Soft Skills	Communication, Event Management, Time management

EXPERIENCE

Domain Lead, Epoch IIITS   2025 - Present
Computer Vision Domain

Core Member, Epoch IIITS   2024 - 2025
Computer Vision Domain

PROJECTS

Hear The Image   Repository — Demo

- Developed an assistive application that converts images into descriptive audio outputs for visually impaired users.
- Integrated a pretrained image captioning model to generate meaningful text descriptions from uploaded images.
- Implemented gTTS functionality to transform generated captions into natural-sounding audio.

Plant Leaf Disease Detection   Repository

- Developed a CNN-based classifier using MobileNetV2 to detect plant leaf diseases from RGB images.
- Applied data augmentation (rotation, zoom, flip) via `ImageDataGenerator` to enhance model generalization.
- Fine-tuned MobileNetV2 with transfer learning.
- Optimized performance through validation and hyperparameter tuning; evaluated with precision, recall, and F1-score.