MEDA POOJITHA

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EDUCATION

Mallareddy University (MRUH Hyderabad)	2023-2027
Department of Artificial Intelligence and Machine Learning (AI & ML)	7.9CGPA
SR Prime School(SR Prime Warangal)	2021-2023
Higher Secondary Education	90%
Ekashila High School	2020-2021
Secondary School Certificate	97%

TECHNICAL SKILLS

Programming Languages: Python, Java
Frameworks: React.js,TensorFlow , PyTorch ,Keras
Cloud: AWS
Databases: SQL

PROJECTS

Leaf Disease Detection Using Image Processing   **Github_Link**

- Plant leaf disease detection is an important task in agriculture to ensure early diagnosis and improved crop productivity. This project presents an image processing–based approach for identifying plant leaf diseases using digital images. The system involves image acquisition, preprocessing, segmentation, and feature extraction to analyze leaf characteristics. Machine learning techniques are applied to classify healthy and diseased leaves accurately. The proposed solution helps farmers and agricultural experts detect diseases at an early stage, reducing crop loss and minimizing the use of pesticides. Experimental results demonstrate that the system provides reliable and efficient disease identification.
- Technologies Used: Python, OpenCV, CNN, Deep Learning, TensorFlow, Keras

Object Detection & Visualization using CNN   **Github_Link**

- This project implements a Convolutional Neural Network (CNN) based system for object detection and visualization in images and videos. The model automatically detects and classifies multiple objects, highlighting them with bounding boxes for clear visualization. It demonstrates practical applications in smart surveillance, autonomous vehicles, and industrial automation, with performance evaluated using metrics such as accuracy, precision, recall, and mAP.

Movie Recommendation System   **Github_Link**

- This project implements a Movie Recommendation System that suggests movies to users based on their preferences and historical ratings. The system uses collaborative filtering and/or content-based filtering to analyze user behavior and movie features. Data preprocessing, similarity computation, and model evaluation are performed to provide accurate and personalized recommendations. This project demonstrates the practical application of machine learning algorithms in recommendation systems.

CERTIFICATIONS

- Reinforcement Learning – NPTEL Certificate ([Oct 2025])
- Quiz Competition Certificate – [Mallareddy University] ([Jan 2024])
- Innovation Program Certificate – [Mallareddy University] ([Nov 2024])