YASWANTHI MUNAGALA

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PROFILE

Motivated Machine Learning enthusiast with strong knowledge of supervised and unsupervised learning, data preprocessing, feature engineering, and model evaluation. Experienced in Python, data analytics, and predictive modeling, with hands-on exposure to real-world ML projects

EDUCATION

B.Tech (Artificial Intelligence and Machine Learning) 2021 – 2025
HYDERABAD INSTITUTE OF TECHNOLOGY AND MANAGEMENT
CGPA: 8.3

Intermediate 2019 – 2021
NARAYANA JUNIOR COLLEGE
PERCENTAGE: 94%

School 2019
Pragati Central School
GPA: 8.0

PROFESSIONAL EXPERIENCE

- **Uptoskills internship** Nov2024 - Jan 2025

Data analyst,remote
Developing and optimizing machine learning models for predictive analysis, leveraging Python and libraries like TensorFlow. Conducted data preprocessing, exploratory data analysis, and collaborated on real-world problem solving projects.

- **Forage virtual experience program** June 2024 - Aug 2024

Participant ,remote
Completed virtual job simulations in software engineering and data analytics for top firms like Walmart, Accenture, and J.P. Morgan. Improved processing speeds by 40%, boosting application performance and optimizing IT security protocols.

PROJECTS

Crop disease detection
Technologies used: Python,numpy,keras,matplotlib
Developed a machine learning model to detect and classify crop diseases from images using computer vision techniques. Used preprocessed and augmented image datasets, training models using deep learning frameworks like numpy and Keras.

Human activity recognition
Technologies used: numpy,tensorflow,keras
Designed a Human Activity Recognition system using machine learning to classify activities from videos.Focused on data preprocessing, feature engineering, and building accurate predictive models

Pneumonia detection with severity check using deep learning
Technologies used: Numpy, Tensorflow, DataAugmentation, Gradio ,maplotlib
Developed a deep learning model that detects pneumonia from chest X-ray images and also classifies the severity level. Using CNN-based image analysis, the system identifies infected lung regions along with a confidence indication. This helps facilitate faster diagnosis and prioritisation of critical patients.

SKILLS

Machine learning SQL Excel Python Power BI

EXTRA-CURRICULAR ACTIVITIES

I worked at Sahaya NGO as part of my co-curricular activities, where I assisted government school students through teaching and basic academic support. I helped create an encouraging learning environment and supported their overall growth.