PRADEEP SAI DOMALA

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Github

in LinkedIn

Experience

Triad Techno Services, *Python Intern*   07/2024
- Developed a weather forecasting system using Python and AR (Auto Regressive) time-series models.
- Applied data preprocessing, feature extraction, and model evaluation to build predictive pipelines.
- Gained hands-on experience in collaborative development and real-world software practices.

Education

Bachelor of Technology - Computer Science and Engineering   2022 – 2026
CMR Institute of Technology
Specialization in Artificial Intelligence and Machine Learning
•GPA: 8.5

Telangana Board of Intermediate Education   2020 – 2022
Sri Chaitanya & Junior College, Ammenpur
Mathematics, Physics and Chemistry
•Percentage: 97%

Board of Secondary Education   2020
Nalanda High School
Telangana Board of Secondary Education
•GPA: 10.0

Skills

Languages
C, Java, Python, JavaScript

Frameworks
ReactJS, Node.js, Express

AI/Data
Machine Learning (Basics), NumPy, Pandas, Data Analysis

Core Concepts
OOP, Data Structures, System design basics ,Aptitude

Projects

Enhanced Weapon detection using Deep Learning, *Weapon Detection using CNN*
- Designed and implemented an end-to-end weapon detection and classification system using deep learning for real-time image and video surveillance.
- Trained a **Faster R-CNN** model from scratch on a **custom-annotated dataset (1,057 images)**, achieving ~**73% detection accuracy** for real-time weapon detection.
- Developed a **VGG-based CNN** on a **curated dataset (5,214 images)** for **7-class weapon classification**, achieving up to **98.4% accuracy**.

Brain Tumour Disease Detection using Machine Learning and Deep Learning
Brain tumor detection using ML and DL starts with collecting and preprocessing brain MRI images. Tumor regions are segmented, and features are extracted or learned automatically by models like CNNs. The model is trained, tested, and used to classify tumor presence and type. Finally, results are refined and deployed in diagnostic tools for clinical use

Certifications

Python Programming
Infosys Springboard Basics of Python

HTML5, CSS, Javascript, react.js
Infosys Springboard - Basics of Front end

Introduction to Artifical Intelligence and Deep Learning
Infosys Springboard Algorithms in AIML