G ADITHYA PRASAD

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As a pre-final year Computer Science student at Vellore Institute of Technology (VIT), I am highly enthusiastic about data science and possess strong expertise in data structures, algorithms, and machine learning. My hands-on experience in developing innovative solutions with deep learning and NLP has prepared me well. I am eager to leverage my technical skills and contribute to meaningful projects.

PROJECTS

INFOSYS – SPRINGBOARD INTERNSHIP
Machine Learning Intern (Products Sentimental Analysis)   Sept 2024 – Dec 2024
- Collected 20k data points on Intel product reviews from various e-commerce sites using Bardeen AI, Octoparse, and Beautiful Soup.
- Fine-tuned a language model on this data after preprocessing (tokenization, stemming, removing stop words, etc.).
- Conducted a detailed sentiment analysis of Intel products using the fine-tuned model.

ENHANCED HOME AUTOMATION AND FIRE DETECTION   Jan2024 – Feb 2024
- Developed an integrated **smart home automation system** with remote control features using IoT technologies.
- Implemented an intelligent fire detection system that automatically activates a water motor in the event of fire for immediate suppression.

LICENSE PLATE DETECTION AND SPEED ESTIMATION
- Trained a model using CNN and YOLO v8 to detect license plates, providing both bounding box annotations and accuracy percentages for detection in test images or videos.
- Measured speed by analyzing frame sequences and changes in the coordinates of the detected license plates.

PUBLICATION

FABRY Disease prediction using Advanced Neural Networks
- Authored a detailed chapter on technology selection in advanced prediction of disease using neural architectures (ResNet and DenseNet).

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY
Bachelor of Technology in Computer Science
CGPA : 8.85

DAYANAND ANGLO-VEDIC GROUP OF SCHOOLS, ADAMBAKKAM
12th Grade: 88%
10th Grade: 95%

ACHIEVEMENT
- Achieved an impressive score of 92.6 in JEE Mains, showcasing exceptional academic ability.
- Organized a workshop for beginners in Neural networks at college fest.

SKILLS

- Proficient in C, C++, Java, Python, HTML, CSS, JavaScript, Reactjs, Machine Learning, Deep Learning, SQL
- Languages Known: English, Tamil, Hindi
- Certifications : Create Realtime Images through Voice using Generative AI Models from OpenWeaver, ML Specialization Andrew NG, Data Analysis with Python Data Analytics and Visualization through Coursera.