PRANAY GUPTA

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Summary

I am a dynamic engineer interested in AI-ML, Data Science, and front-end web development. Proven problem-solving abilities coupled with a versatile skill set, driving innovative solutions at the intersection of technology and real-world challenges.

Skills

C++ | C | Java | Python | Deep Learning | Computer Vision | LLM | AWS | JavaScript | ReactJS | Machine Learning | Data Science | MySQL | Git

Hardware: Raspberry pi 4B+, Jetson Nano

Work Experience

Artificial Intelligence Intern **(Jun'24 – Dec'24)**

CYNAPTO TECHNOLOGIES

Client – *TVS Motor Company* **Remote**

- Delivered AI projects to high-profile clients, including TVS and Domino's, focusing on real-world applications and industry-specific solutions.
- Assisted in testing and evaluating the performance of machine learning models, ensuring accuracy, efficiency, and robustness
- Developed and fine-tuned models using YOLOv8, enhancing object detection and recognition capabilities to meet client specifications.
- Collaborated with cross-functional teams to integrate AI models into existing systems, contributing to end-to-end project development.

Projects

Blog Generator using LLAMA2 and Streamlit **(Jan'25)**

Tech Stack: Llama2, Streamlit, Python, Langchain, HuggingFace

- Blog Customization: Generate blogs based on user input, word limit, and audience type.
- Powerful AI: Utilizes the Llama-2-7B model for natural and accurate language generation.
- Interactive Interface: Easy-to-use interface built with Streamlit.
- GitHub Link : https://github.com/pran-aeyyy/Blog-Generator-Using-LLama2

Solidity & React.js Crowdfunding Project **(Dec'23)**

Tech Stack: Solidity, React.js, Javascript, Web3.0, Blockchain

- Developed and deployed Ethereum smart contracts using Solidity to establish a secure and transparent crowdfunding platform.
- Created an intuitive user interface using React.js, enhancing user experience and facilitating seamless interaction with the crowdfunding platform.
- Incorporated real-time updates and notifications to keep backers informed about project progress, milestones achieved, and other critical updates.
- GitHub Link**:** https://github.com/pran-aeyyy/Solidity_React.js_CrowdFunding-Project

License Plate Recognition System **(March'24)**

Tech Stack: Python, YoloV7, OpenCV, PyTorch, EasyOCR, Raspberry Pi

- The system is designed to detect license plates in images or video streams and extract the text from them for further processing or analysis.
- The entire dataset is made from scratch of around 1600+ images. The dataset was then split into 89% Train images (1431), 7% Valid images (115) and 4% Test images (62).
- This project implements a license plate recognition system using YOLOv7 for object detection, Raspberry Pi for hardware integration, OpenCV for image processing, and EasyOCR for optical character recognition.
- GitHub Link: https://github.com/pran-aeyyy/License_Plate_Recognition_YoloV7

Education

Dr. Vishwanath Karad MIT- WPU **(2021 – Present)**
ECE (AI-ML) | CGPA: **8.79**

Allenhouse Public School **(2021)**
Class 12th: 91%

Allenhouse Public School **(2019)**
Class 10th: 96%

Positions of Responsibility

Space Technology and Research Group **Tech Team Lead** **Jun'22 -Present**

-Recognized by ISRO, STeRG is a well-known students club in MIT WPU, I'm the Tech Team Lead of the club.
-We design CanSats, which are Can sized light-weight satellites.
-Recently we bagged the runners-up position in the National Space Competition held by ISRO.