Aditya Ahuja

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Education

Vellore Institute Of Technology **2020 - 2024**
Computer Science Engineering CGPA : 9.17

Modern Delhi Public School, Faridabad **2018 - 2020**
Senior Secondary Education Percentage : 92

Links

GFG -: https://auth.geeksforgeeks.org/user/ahujaaditya04/practice
Hackerrank -: https://www.hackerrank.com/aditya_ahuja2020
Leetcode -: https://leetcode.com/adi0603/

Technical Skills

Languages: C++ , C , Python(intermediate) , Java(basic) , SQL(intermediate)
Coursework: DSA , OS , Computer Networks , DBMS , OOPS, Deep Learning , Machine Learning

Experience

PALS **March 2022 - July 2022**
Web Developer Intern

- Designed and developed a platform which helped the organization manage its daily tasks.
- Used Retool for front end, JavaScript to enhance user interaction and wrote SQL queries for database

THE LANTERN TRIBE **April 2021 - August 2022**
Web Developer Intern

- Designed , Developed and Maintained the platform using WordPress for the organization. *Demo*
- Used Avada Builder plugin to build pages and also integrated back end to store muselltters,magazine etc.

Projects

SCRAPIFY | ReactJS ,NodeJS,MongoDB **August 2022**

- A platform for local scrap dealers which allow the customer to schedule pickup of scrap by local scrap dealer.
- Integrated ReactJS with NodeJS and used MongoDB as database.

Forest Fire and Smoke Detection| OpenCV,YOLO,Deep Learning **December 2023**

- Used YOLOv8 and deep learning models such as VGG16, mobilenetv2, and resnet50 to classify forest fire and smoke. This project can be used by various forest authorities by integrating it with drones to prevent forest fires.
- Trained weights were used with OpenCV to detect the fire and smoke in various fire videos and real-time.

Speech to Text-Text to Speech calculator| HTML,BOOTSTRAP,Javascript **March 2023**

- Used Javascript speech API for speech to text and text to speech operations.
- A calculator where in user speaks the operation and operand in their desired language and output will be given in desired language.

Intelligence Traffic Violation Detection| OpenCV, Image Processing, YOLO,OCR **Feburary 2024**

- The project aims to detect traffic violations namely helmet detection, speed, and number plate.
- The number plate has two categories namely Indian and Non-Indian and helmet detection also has 5 categories namely fwbh,fwgh,fwnh, rider, and number plate which will be classified using YOLOv8. Once a violation is detected image processing and OCR techniques such as TesseractOCR and EasyOCR are used to extract the text of the number plate.

Achievements

PALS ANALYZE EVENT **March 2022**
Case study event where we had to come up with optimal solution and a prototype.

VIT Internal Hackathon **September 2022**
Won the hackathon and represented VIT at Smart India Hackathon.

Positions of Responsibility

Executive Board **Enactus VIT CHENNAI**
Leading a team of 250 people. We use the power of entrepreneurial action to transform lives of underprivileged.

Community Lead **Fraternity Of Young Innovators**
Leading a community consisting students from 4 different colleges. The main aim of the community is to motivate students to emerge , innovate and lead.