Mahesh Paul J Undergrad Student

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https://linkedin.com/in/mahesh-paul https://github.com/CityIsBetter

Professional Summary

Tech Enthusiast CS student at SRM University, Kattankulathur with a passion for technology. Possesses strong foundational skills in Python, C, and web development gained through coursework and personal projects. Eager to leverage these skills and thirst for knowledge in a real-world internship. Committed to actively contributing to projects and collaborating eff ectively within a team environment.

Projects

NoteScape

https://notescape.vercel.app/

NoteScape is a powerful note-taking app featuring bulletins, to-dos, image uploads, Reminders and an AI assistant.

- Built with **Next.js 14, Firebase, Vercel Blob**, and **Novel.sh**.
- It off ers seamless sync across devices and a rich editing experience.

ResumeItNow

https://resumeitnow.vercel.app/

ResumeItNow - Free Open Source Resume Builder

- Utilizes AI to optimize content and create a perfect resume.
- Offers 100% free, watermark-free resume building.
- Provides a selection of clean, professional templates.
- **Built using ResumeItNow**, a reliable and efficient platform.

Website Portfolio

https://maheshpaul.vercel.app/

- Created a visually appealing online portfolio using **NextJS** for a dynamic and interactive experience.
- Utilized **TypeScript** to optimize the code and fix bugs that were causing lot of issues with JavaScript.
- Leveraged **Vercel** for seamless deployment, ensuring my portfolio is readily accessible to potential employers and collaborators.

Traffic Light Detection System

https://github.com/CityIsBetter/Traffic-Light-Detection-YOLOv8

- Developed AI-powered Traffic Light Detection model utilizing **Haar Cascade** and **YOLOv8** architectures
- Utilized Colab with **Keras** and **TensorFlow** libraries for model training and deployment
- **Roboflow** was used to maintain the dataset.

Lane Detection using YOLO and OpenCV

https://github.com/CityIsBetter/Lane_Detection

- **Real-time Lane and Vehicle Detection**: Utilize YOLOv8 and OpenCV to identify lanes and vehicles, with distance estimation.
- **Autonomous Driving and Traffic Analysis**: Ideal for applications requiring precise vehicle tracking

and lane detection capabilities.

Education

M.Tech Computer Science w/s Cognitive Computing June 2022 - May 2027
SRM Institute of Science and Technology
GPA: 9.07 10.0

Technical Skills

Programming Languages : Python, C, C++, TypeScript, JavaScript, Java

Machine Learning Frameworks : Numpy, Pandas, OpenCV, YOLO

Web Development : HTML, CSS, ReactJS, NextJS, TailwindCSS

Certifications

Programming For Data Science February 2023
NPTEL

Programming in Java October 2023
NPTEL

Introduction to Database Systems April 2024
NPTEL

Introduction to Machine Learning October 2024
NPTEL