V Aditya Teja

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GITHUB : https://github.com/ItsMePheniX | LeetCode : https://leetcode.com/u/ItsMePheniX/

SUMMARY

Third-year B.Tech student with a focus on backend development and interest in IoT systems. Proficient in Node.js, with experience in building smart hardware solutions. Health hackathon finalist and a collaborative team player with strong analytical skills, aiming to grow as a system architect.

SKILLS

Languages: Python, Java, C++, JavaScript

Database Management: SQL and NoSQL

Collaboration Tools: Git

EDUCATIONAL BACKGROUND

BachelorofTechnology in ComputerScience   2023 - 27
Vellore Institute of Technology Bhopal

PROJECTS

Health Monitoring Application | (React, Tailwind, Python, MongoDB, Node ,Express)

Tech Stack: React, Tailwind, Python, MongoDB, Node.js, Express
- Designed and developed a full-stack health monitoring system enabling users to manage personal health data and prescriptions.
- Integrated a MedPalm-inspired AI to identify potential medication conflicts based on historical health records.
- Implemented secure data handling and scalable backend architecture using Node.js and MongoDB to support real-time recommendations.

AI Powered Pedestrain assistant for blind people | (Python, OpenCV, Flask)

Tech Stack: Python, YOLOv8, OpenCV, Raspberry Pi 4, PiCamera 2
- Engineered an IoT-based smart navigation system using YOLOv8 for real-time object detection to assist visually impaired individuals.
- Integrated Raspberry Pi with camera modules and OpenCV to detect obstacles and deliver audio navigation prompts.
- Optimized system performance with lightweight ML models for reliable on-device inference in outdoor environments.

Achievements

Health Hackathon(2024 - 25)
- Served as the primary backend developer, designing scalable APIs and integrating real-time health data analytics.
- Collaborated within a 12-member cross-functional team to build a tech-driven solution for personalized healthcare insights.
- Reached the finalist stage among 500+ teams for building a prototype focused on AI-driven medication safety and patient history analysis.