VIGNESHKUMARAN B

Aspiring Full Stack Developer

📞 +91 9597566802 @ vigneshkumaran2315@gmail.com 🔗 **LinkedIn** 🔗 **GitHub** 📍 Kumbakonam, Tamilnadu

SUMMARY

Enthusiastic and driven IT student with a strong interest in full-stack development and AI-driven applications. Hands-on experience in building web platforms, IoT prototypes, and AI solutions through academic projects, hackathons, and internships. Skilled in Python, Java, JavaScript, React.js, Node.js, and REST APIs. Recognized for curiosity, creativity, and problem-solving in both team and individual projects.

EXPERIENCE

IoT Intern

Armada Industrial Automation

📅 06/2025 - 07/2025

Embedded and IoT Communication

- Built and simulated IoT-based prototypes using microcontrollers, sensors, and relays, improving system efficiency by 20%.
- Applied **image processing techniques (Python/OpenCV)** for industrial use cases.
- Collaborated in a 5-member team to deliver working IoT solutions on time.

AI and Data Analytics Intern

Edunet Foundation

📅 04/2025 - 05/2025

AI and Data Analytics

- Developed and trained a **real-time fire detection model** achieving 85% detection accuracy.
- Integrated live webcam streaming and alerts, reducing manual monitoring effort by 30%.

AI Intern

Edunet Foundation & Microsoft

📅 04/2025 - 05/2025

Foundations of AI

- Completed intensive training in **Artificial Intelligence, Data Analytics, and Python**.
- Designed a **Plant Disease Detection System** using ML algorithms, achieving 80% classification accuracy.

EDUCATION

B. Tech. Information Technology

A.V.C College of Engineering

📅 08/2022 - 05/2026

CERTIFICATION

📄 **Certificate of Participation - ICIRET International Conference**

AI-Based Reconstruction: From Handwritten And Drawing To Realistic Images

SKILLS

HTML CSS JavaScript Java

Python ReactJS MongoDB

SQL NodeJS ExpressJS Git

GitHub REST API

PROJECTS

Women Safety Analysis System

📅 05/2025 - 05/2025

Designed and developed a real-time dashboard to monitor and analyze potential threats related to women's safety.

- Developed a safety system with real-time alerts and live data dashboard.
- Designed a **UI with live safety data visualization**, enabling quicker decision-making.
- Delivered real-time status updates and alert features used in demo simulations.

TeleMed360

📅 07/2025 - 07/2025

I developed **TeleMed360**, a secure telemedicine platform enabling encrypted video consultations, appointment scheduling, and health record sharing.

- Developed a secure **telemedicine web app** with encrypted video consultations and patient record sharing.
- Integrated **real-time video calls and appointment scheduling** for doctor-patient interactions.
- Implemented a scalable **MERN-based system** ensuring reliability and smooth performance.

Alumni Connect App

📅 07/2025 - 08/2025

Worked as a backend and testing team member, contributing to API development with **Express** and **Prisma** and ensuring reliability through **Jest** and **Supertest** testing.

- Contributed to **backend API development** with Express + Prisma.
- Ensured reliability with **automated testing (Jest, Supertest)**, improving stability by 25%.
- Delivered a **cross-platform mobile app (React Native + Expo)** connecting students, alumni, and teachers.
- Enhanced system reliability with comprehensive backend testing.