Abhinav Vishnu Mohan

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Education

VIT Bhopal *Oct 2022 – Jun 2026*
B.Tech in Computer Science (Core)
Cumulative GPA: **8.03 / 10**
Coursework: Fullstack AI Developer

Technical Skills

Languages: Python, JavaScript, SQL
Web Development: HTML, CSS, React, Node.js
Backend & AI: FastAPI, Django, LangChain, LangGraph, REST APIs
Databases: MongoDB, MySQL, PostgreSQL
Cloud / DevOps: AWS, OCI, GitHub Actions

Experience

SayOne Technologies (Software Development Intern) *DEC 2025 - Present*
- Worked on full-stack application development using **FastAPI, Django, and React**
- Built AI-powered workflows using **LangChain** and **LangGraph** for intelligent task orchestration
- Designed and implemented secure backend services with authentication and role-based access control
- Gained hands-on experience in integrating AI components into production-ready web applications

Projects

HIREMIND — AI-Powered Recruitment Platform *Jan 2026 – Feb 2026*
- Developed a full-stack recruitment platform with **RBAC**, supporting both **Candidate** and **HR** portals
- Simplified recruitment workflows including candidate management and automated email scheduling
- Built secure APIs and role-based authorization to separate HR and candidate access

AI-Powered Wildlife Monitoring System *Nov 2024 – Apr 2025*
- Trained a YOLOv8 model achieving 91% training accuracy and 95% validation accuracy across 17 wildlife species
- Integrated real-time geolocation and alerting using Leaflet.js and Twilio API for SMS notifications
- Built an interactive dashboard using React and a Python backend for live detections and analytics

Store Rating Full Stack Application *Aug 2025*
- Developed a full-stack application using React, Node.js, and PostgreSQL with JWT-based authentication
- Implemented role-based access control for Admin, Store Owner, and User dashboards
- Designed a polished UI with Material-UI including search, filtering, and data visualization

AI Code Documentation Tool *Aug 2025 – Sep 2025*
- Built a full-stack application to generate automated documentation using Google Gemini AI
- Implemented secure user authentication with JWT and persistent session handling
- Developed using the MERN stack and styled with Tailwind CSS and Shadcn/ui

Certifications

- Full Stack Developer (MERN) — Smart Bridge (MongoDB)   Jan 2025 – May 2025
- Data Structures and Algorithms — Face Prep   Feb 2025 – Apr 2025

Extracurricular Activities

- Participated in National Road Safety Hackathon 2025 (NHAI & HOAI)
- Core Member — Mozilla Firefox Club

Languages

English (Fluent), Malayalam (Native), Hindi