

Vedant Lahane

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Projects

SafarSathi — *Tourist Safety Platform* September 2025 – Present

- Built **interactive safety maps** with **Leaflet.js** showing **real-time safety zones**, **police stations**, and **safe route recommendations**; added **admin console** for **creating and managing geo-fenced risk zones** with **live alerts** to affected users.
- Implemented **intelligent SOS system** with **hold-to-activate emergency flow**, **automatic location sharing**, and **proximity-based emergency contact notifications**.
- Designed **offline-first PWA architecture** enabling **full functionality without internet connectivity**, critical for travelers in areas with poor network coverage.

Technologies: React, Leaflet, PWA APIs, Spring Boot, MySQL

Axon — *AI-Powered Document Intelligence Platform* July 2025 – Present

- Developed **conversational AI agent** using **LangChain** and **LangGraph** that enables **natural language querying** across multiple document formats (**PDFs, CSVs, SQL databases**) within **team workspaces**.
- Architected **hybrid retrieval system** combining **FAISS vector search** for document context with **Tavily web search** for **real-time information**, ensuring responses blend **historical and current data**.
- Implemented **streaming response architecture** with **persistent conversation memory**, maintaining **multi-turn context** while delivering **real-time partial responses**.

Technologies: Django, LangChain, LangGraph, FAISS, OpenAI API, React, TypeScript,

ShoeMarkNet — *Full-Stack E-Commerce Platform* March 2024

- Architected **AI-powered lead scoring system** that analyzes **customer behavior patterns** and **engagement metrics** to prioritize **high-value prospects** for targeted marketing campaigns.
- Implemented **JWT-based authentication** with **role-based access control (RBAC)**, securing distinct **user and admin experiences** across **product management, order processing, and analytics features**.
- Designed **Redux Toolkit state architecture** with **optimistic UI updates** and **centralized error handling** for **cart, wishlist, and checkout flows**.

Technologies: React, Redux Toolkit, Node.js, Express, MongoDB, JWT, Tailwind CSS

Skills

Programming Languages:	Java, JavaScript, TypeScript, Python, SQL, HTML, CSS
Frameworks & Libraries:	React, Node.js, Express.js, Angular, Redux, Shadcn, Tailwind CSS
AI/ML & LLM Technologies:	RAG, Tensorflow, ChromaDB, LangChain
Cloud & DevOps:	AWS, Docker, Docker Compose, Jenkins, CI/CD, Ansible
Databases & Development Tools:	MongoDB, MySQL, Git, GitHub, Postman, Vite, Vercel, Linux
Soft Skills:	Problem-solving, Teamwork, Adaptability, Creativity

Achievements & Certifications

Solved **350+** Data Structures & Algorithms questions on **LeetCode** and **GeeksForGeeks**

Udemy – Deep Learning with TensorFlow 2 July 2025

Coursera – Generative AI with Large Language Models April 2024

Education

Lovely Professional University, B.Tech in Computer Science and Engineering Sept 2022 – July 2026
CGPA: 7.89 Jalandhar, Punjab

Vivekananda Junior College, Class XII June 2019 – May 2021
Percentage: 92.00% Nagpur, Maharashtra

Gurukul Public School, Class X June 2017 – May 2019
Percentage: 84.20% Paratwada, Maharashtra