

Nikshaan Shetty

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EDUCATION

Dwarkadas J. Sanghvi College of Engineering

B.Tech, Artificial Intelligence & Machine Learning (Honours in Financial Technology)

Mumbai, India

Sep. 2024 – Present

EXPERIENCE

Varak Welfare Society

Full-stack Developer Intern

Indore, MP (Remote)

Sep. 2025 – Jan. 2026

- Collaborated with the CTO to **architect a scalable subscription engine** using **Django, PostgreSQL**, and **Razorpay**, handling 100% of payment edge cases and driving a **20% increase in recurring donor conversion**.
- Coded the complete migration of the **Vue.js** homepage to **React.js**, implementing modern **component architecture** which **reduced initial load latency by 35%** and significantly enhanced mobile responsiveness.
- Engineered a secure **Google OAuth 2.0 authentication system** with custom input validations and **mentored 4+ developer interns**, reducing their **onboarding time by 50%** through structured **code reviews** and debugging support.

PROJECTS

Product Wizz (RAG-Based Review Analyzer) | React, FastAPI, LangChain, ChromaDB

- Built a **full-stack Chrome extension** with **RAG pipeline** to **scrape and analyze 100+** product reviews from Amazon.in and Flipkart.com.
- Developed an **AI-powered Q&A system** using **local LLM** (Zephyr 7B) with product specs and review analysis, delivering **context-aware responses** without internet dependency.
- Implemented a **persistent chat architecture** with **session management**, allowing users to resume conversations across browser sessions seamlessly.

NyaySetu (AI Legal Assistant)) | React, FastAPI, Gemini 2.5 Pro, Llama 3.1, Qdrant, LangChain

- Architected an advanced, **dual-model RAG pipeline**, implementing a **two-step re-ranking algorithm** to achieve **92% relevance accuracy** for **multilingual legal Q&A**.
- Engineered a **multi-format document analysis** (PDF/DOCX/OCR) and comparison tool to automatically **identify legal risks**, detect ambiguities, and check for compliance.
- Developed a comprehensive legal platform integrating a **conversational form-filler for PDF generation**, a **real-time news aggregator**, and a geolocation-based provider search.

LocalBee (Geospatial Discovery Platform) | Next.js, Leaflet.JS, TailwindCSS, FastAPI, PostgreSQL

- Built **interactive world map application** with **geolocation-based navigation**, enabling users to explore custom photography and Wikipedia data through map pings.
- Developed **geocoding search system** converting place names to coordinates with **tag-based filtering**, improving location discovery efficiency.

ACHIEVEMENTS

1st Runner Up, AIML Domain Winner – CodeQuest Hackathon: Built “NyaySetu,” a generative AI legal assistant with form generation and legal news.

2nd Runner Up, AIML Domain Winner – Hackops Hackathon: Developed “JournalPal.AI,” a research tool for finding related academic papers.

Open Source Contributor – GirlScript Summer of Code 2025: Merged multiple pull requests for frontend and API bug fixes in web-dev projects.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C

AI/ML & GenAI: PyTorch, LangChain, ChromaDB, Scikit-learn, Pandas, NumPy

Web Technologies: React.js, Next.js, TailwindCSS, Node.js, Express.js, FastAPI, Astro

Tools & Databases: Git, GitHub, Postman, Linux, PostgreSQL, MongoDB