

Nikshaan Shetty

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EDUCATION

Dwarkadas J. Sanghvi College of Engineering

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

CGPA: 9.67

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 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, Java

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

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

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