

FENIL CHODVADIYA

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Education

Nirma University, Ahmedabad
B.Tech in Computer Science & Engineering

Jul 2023 - Present
CGPA: 8.62

Experience

Zidio Development - Web Developer Intern

May 2025 - Jul 2025

- Contributed to two team-based projects, handling frontend development, chart visualizations (**Chart.js**, **Three.js**), Excel file features, and **deployment** on Render/Netlify with **Cloudinary** integration.
- Worked on **backend REST APIs** and **database design** using the **MERN stack**, implementing **authentication**, **data processing**, and core **CRUD operations** across both applications.

Technical Skills

Languages: Java, Python, C, SQL, JavaScript
Web Dev: Bootstrap, Tailwind CSS, MERN Stack, Flask, FastAPI
AI/ML: ML, DL, NLP, Computer Vision, RAG Pipeline, LangChain
Tools: Git, Jupyter Notebook, IntelliJ IDEA, VS Code, Postman, Kaggle
OS: Ubuntu, Windows
Course Work: OOP, OS, DBMS, CN, DSA

Projects

Financial ChatBot | *MERN, NLP, RAG, FastAPI, LangChain, FAISS, Gemini API* | 🐙 Oct 2025 - Nov 2025

- Developed a **full-stack financial chatbot** capable of analyzing **PDF financial documents** and answering natural-language queries using a **RAG pipeline** with local **LLM-based** processing.
- Implemented **multi-modal document support** for text and images with **local-only storage**, ensuring user privacy, and optimized the system for **fast responses** with zero cloud cost or external dependencies.

SmartBite—AI-Powered Meal Planner | *MERN Stack, Flask, ML, Groq API* | 🐙 | 🔗 Sep 2025 - Oct 2025

- Improved a **full-stack meal recommendation system** that generates personalized diet plans using **Python-based ML models** and **optimization logic**, backed by **microservices** for clustering and ranking, along with secure **JWT authentication** and Groq-powered insights.

Smart Route Optimization | *MERN Stack, Flask, Folium, AI Models* | 🐙 | 🔗 Jan 2025 - Mar 2025

- Expanded a smart navigation tool that analyzes **traffic** and **demand patterns** to generate optimal routes, using **Folium** for interactive map visualization and exporting route data to **Excel**.

Email System | *Java, OOP, File Handling* | 🐙 Sep 2024 - Nov 2024

- Built an **email management system** supporting Inbox, Outbox, Compose, Send, and Receive features, with Read/Unread tracking for efficient **message handling**. Implemented a **file-based storage** structure to manage user emails and ensure reliable **storage**, retrieval, and organization of messages.

Honors & Coding Achievements

- CodeChef:** Global rank of **364th** in Starters 156 (Division 4); achieved **3-Star** rating. Experienced in solving algorithmic challenges under time constraints. | 🔗
- LeetCode:** Solved over **720 problems** spanning data structures and algorithms; hold the **Knight** badge and rank in the top **2.5%** globally in contests. | 🔗
- Codeforces:** Solved **225+ problems** and achieved **Pupil rank**, actively participate in contests to improve speed and accuracy. | 🔗

Leadership & Clubs

Computer Society of India, Nirma University | *Core Committee Member*

Sep 2024 - Present

- Organized **HackNUThon 6.0**, a three-day hackathon and **Cubix-2025**, a two-day tech carnival featuring engaging students in coding, logic, and strategy-based competitions.

Cyber Security Club, Nirma University | *Senior Editor*

Oct 2024 - Aug 2025

- Managed cybersecurity **awareness campaigns**, edited **articles**, and helped organize workshops on **ethical hacking** and **penetration testing**.