

Dhaval Rathva

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EDUCATION

L.D. College of Engineering (LDCE)

Bachelor of Engineering in Information Technology

Ahmedabad, IN

Expected May 2027

- Current Semester: 5th | Performance: **8.39 SPI** (4th Sem)
- Relevant Coursework: Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL (PostgreSQL), C++

Frontend: Next.js, React.js (Vite), Tailwind CSS, Framer Motion, HTML5/CSS3

Backend: Node.js, Express.js, FastAPI, PostgreSQL, Firebase (Firestore)

AI/Data: Generative AI (Google Gemini), RAG Pipelines, Vector Databases (Qdrant), Pandas, NumPy

Tools: Git/GitHub, VS Code, Postman, Linux, Vercel

PROJECTS

Smart Claims Processing Platform | *React, FastAPI, Gemini AI* | [View Project](#)

Oct 2025

- Developed an AI-driven insurance claims system using **FastAPI** and **Google Gemini** for automated policy validation.
- Implemented multi-modal analysis (Text & Images) to assess damage severity and estimate costs automatically.
- Built a real-time dashboard with **React (Vite)** and **Tailwind CSS** for tracking claim status and analytics.
- Engineered a fraud detection pipeline to flag suspicious claims, significantly reducing manual verification time.

FactsAura (Misinformation Detection) | *Next.js, Python* | [View Project](#)

Sept 2025

- Finalist - MumbaiHacks 2025:** Selected for the offline round of Mumbai's largest Agentic AI Hackathon.
- Developed a real-time platform analyzing news credibility using NLP techniques to combat misinformation.
- Architected a scalable **Next.js** frontend and integrated a Python backend for data verification logic.

Sukh - AI Mental Health Assistant | *React, FastAPI, Firebase* | [View Project](#)

Dec 2024

- Engineered a voice-enabled AI companion providing empathetic support in **Hinglish**, utilizing **Mistral-7B**.
- Built a highly responsive UI with **React (Vite)** and **Framer Motion**, implementing real-time Speech-to-Text and TTS.
- Integrated **Firebase Firestore** to securely manage user journaling, mood tracking data, and activity logs.
- Developed interactive features including guided meditation timers and a mood-based music player.

ACHIEVEMENTS & CERTIFICATIONS

Bharatiya Antariksh Hackathon 2025: Officially acknowledged by **ISRO** & Hack2Skill for innovative space tech idea.

LeetCode: Solved 100+ Problems; Earned the "50 Days Badge 2025" for consistent problem solving.

Certified Data Scientist: Completed "The Ultimate Job Ready Data Science Course" (CodeWithHarry).

Hack With Gujarat: Received Certificate of Participation for outstanding performance in regional hackathon.