DHRUV VIVEK GADRE

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PROFILE SUMMARY

Experienced developer skilled in data science, machine learning, and front-end development. Strong in leadership, project management, and delivering results.

EDUCATION

Bachelor of Technology in Computer Science — 2027
Vellore Institute of Technology, Chennai, India — 9.55 CGPA
Relevant Coursework: Database Systems, Object-Oriented Programming, Web Development, Computer Networks

SKILLS

Frontend	HTML, CSS, JavaScript, ReactJS
Backend	Python (Flask, FastAPI), REST APIs
AI/LLM Applications	LangChain, LangGraph, Experimental Agents
Data & Analytics	Pandas, NumPy, Power BI, Data Cleaning

EXPERIENCE

Data and Analytics Intern — Jun 2025 - Jul 2025
Pricewaterhouse Coopers, India — *Bengaluru*

- Developed a chat bot for Internal firm use for the Manager portal. Spearheaded codebase migration of said chatbot from Langchain to Langgraph resulting in a 61% reduction in data query time.
- Created a responsive product UI for the chat bot in ReactJS and engineered a Python backend, integrating ∼10 APIs with 100% deployment success, reducing latency by 30% and improving user load times.
- Initiated the development of a VS Code/Cursor AI extension (**TypeScript**) for in-editor code/prompt generation, eliminating browser switching and saving devs 4+ sec/query.

PROJECTS

RecoveryPath – Addiction Recovery Platform

- Built full-stack platform with **Python (Flask)**, **React**, and **MongoDB**, featuring real-time patient tracking that boosted engagement by **40%** through personalized dashboards.
- Implemented interactive community features using React to improve peer support and treatment adherence.

AI-Powered RAG System

- Developed low-latency RAG pipeline using **Ollama** and **FAISS**, parsing queries and retrieving relevant chunks **38% faster** than commercial LLM APIs.
- Improved retrieval accuracy by 15% by implementing semantic-based chunking with **all-MiniLM-L6-v2** embeddings.
- Enabled private document Q&A with ∼**6 seconds** end-to-end response time (as measured for a 1Mb file).

HackManager – Hackathon Management Platform

- Built a scalable platform supporting **multi-role access control** for hosts, judges, and teams across events.
- Engineered a streamlined event participant onboarding system using Excel upload functionality; this reduced manual data entry errors by 95% and shortened onboarding from 2 hours to 15 minutes per event.
- Enabled smooth operations for **5+ live hackathons**, ensuring high availability and seamless judging workflows.

LEADERSHIP & ACHIEVEMENTS

- Led backend, DevOps and club management initiatives as Vice Chairperson, Nexus VITC – organized flagship event **Nexathon'25** with 500+ participants, among the largest at VIT Chennai.
- Led safety system design for **DROMOS Hyperloop** pods, developing critical occupant protection features. Recognised as Runner-up for Best Blueprint at GHC – IIT Madras (2025) outperforming 150+ participants across ∼10 teams.