

Dhwani Vyas

☎ +91 7621092186 | 📍 Gandhinagar, Gujarat, India | ✉ dhvani.vyas05@gmail.com | [🌐 LinkedIn](#) | [🐙 GitHub](#) | [🌐 Website](#)

SUMMARY

Computer Science student with experience building backend and cloud-based applications using Python, APIs, and modern web technologies. Interested in automation, system integration, and creating reliable workflows that improve efficiency and simplify complex processes.

SKILLS

Programming Languages: Java, Python, C++, SQL, HTML, CSS, JavaScript, Typescript
Computer Science: Data Structures, Analysis and Design of Algorithms, Object Oriented Programming, Operating Systems, Computer Networking, Database Management Systems.
Web Technologies: React.js, Next.js, Flask, Node.js, Express.js, TailwindCSS, Shadcn UI, RESTful APIs, SQL, MongoDB.
AI/ML tools: Tensorflow, PyTorch, Sk-learn, Pandas, Numpy, Prompt Engineering, LLM/LMM fine tuning.
Networking: TCP/UDP Sockets, Congestion Control, Secure Data Transfer.
Tools: Git & GitHub, Docker, Firebase, Supabase, Postman, Vercel, Resend, VScode, Cursor, PostgreSQL, Prisma

EDUCATION

Pandit Deendayal Energy University | *Gandhinagar, Gujarat* **July 2023 – Present**
B.Tech in Computer Science Engineering - CGPA: 9.63

PROJECTS

- ReAlign AI** | *Next.js, React, FastAPI, Python, PostgreSQL, Machine Learning* *Feb 2026*
- Built an AI-driven construction planning platform integrating design workflows with site execution using a **FastAPI REST API architecture**
 - Implemented **RBAC with JWT authentication** supporting 3 roles and developed ML layout retrieval using **ResNet18 embeddings** across **571+ layouts**
 - Designed a **VAE-based generative design pipeline** with SLSQP optimization balancing cost, timeline, area, and safety constraints
 - **Links:** [Live Demo](#) [Source Code](#)
- StockPred** | *FastAPI, PostgreSQL, Next.js, API Integration* *Jan 2026*
- Developed a full-stack stock analytics platform integrating external financial APIs for real-time market data retrieval
 - Built scalable **FastAPI backend services** with PostgreSQL for user accounts, watchlists, and structured transaction logs
 - Designed responsive **Next.js frontend** with optimized routing and secure authentication workflows
 - **Links:** [Live Demo](#) [Source Code](#)
- BakeOTopia** | *React, TypeScript, Supabase, Tailwind CSS* *Oct 2025*
- Developed a full-stack bakery web application managing **100+ product records** using React frontend and Supabase backend APIs
 - Implemented complete **CRUD operations** for product and category management with dynamic content updates
 - Built responsive UI with Tailwind CSS achieving sub-2s load times and supporting scalable admin workflows
 - **Links:** [Live Demo](#) [Source Code](#)
- ProTract** | *Next.js, Web3.js, Python, REST APIs* *Mar 2025*
- Developed a FinTech analytics platform for **Ethereum transaction analysis** using Web3.js and backend APIs
 - Built a Next.js dashboard for transaction visualization and implemented Python logic for classification and processing
 - Architected modular frontend-backend communication; project secured **1st Runner-up at Breach'25 Hackathon**
 - **Links:** [Live Demo](#) [Source Code](#)

CERTIFICATIONS

IBM 4-Weeks Internship – AI & Cloud, Edunet Foundation	<i>Aug 2025</i> Credentials
Google Data Analytics – Coursera	<i>July 2024</i> Credentials
Artificial Intelligence Fundamentals – IBM SkillsBuild	<i>June 2024</i> Credentials
Google AI Essentials – Coursera	<i>July 2024</i> Credentials
Cisco Networking Basics – Cisco Networking Academy	<i>Aug 2025</i> Credentials
Understanding Incubation and Entrepreneurship – NPTEL	<i>Oct 2025</i> Credentials

ACHIEVEMENTS

- * **1st Runner-up – Breach'25 Hackathon**, a 48 hour hackathon at PDEU, Gandhinagar.
- * Conducted a **1.5 hours workshop on Python Libraries**, organized by GeeksForGeeks at **PDEU, Gandhinagar**.
- * Qualified in **Top 50** teams of **Level Supermind Hackathon'25** at **Lower Parel, Mumbai**.
- * **LeetCode:** 500+ problems solved across arrays, trees, graphs, and DP.