

SAUMYA PANDEY

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PROFESSIONAL SUMMARY

Computer Engineering undergraduate at PDEU (CGPA: 9.64/10) with strong foundations in Data Structures & Algorithms, OOP, and DBMS. Solved 300+ LeetCode problems (1520+ rating), Contributor to GSSoC 2026 and built full-stack and AI-powered applications using C++, Python, React, Next.js, TypeScript, FastAPI, and PostgreSQL.

EDUCATION

Pandit Deendayal Energy University, Gandhinagar

B.Tech – Computer Engineering | May 2028

CGPA: 9.64 / 10 (Till Semester 4)

Relevant Coursework: Data Structures & Algorithms, Computer Organization & Architecture, Theory of Computation, OOP, DBMS, Operating Systems, Computer Networks, IoT

RELEVANT EXPERIENCE - SOFTWARE DEVELOPMENT PROJECTS

DeepGuard Platform | [GitHub](#)

Multimodal Deepfake Detection & Forensic Analysis Platform (**Ongoing**)

- Developing a multimodal deepfake detection system for audio, image, and video forensic analysis.
- Implementing transformer-based models using PyTorch and Hugging Face for cross-modal detection.
- Built backend APIs using FastAPI and PostgreSQL to support multimodal deepfake analysis workflows.
- Integrating explainable AI techniques including Grad-CAM, SHAP, and LIME.
- **Tech Stack: Python, PyTorch, FastAPI, PostgreSQL, Hugging Face Transformers, OpenCV**

ServiceConnect | [Link](#) | [GitHub](#)

Full-Stack Service Marketplace Platform

- Built a location-aware platform connecting customers with verified service providers.
- Implemented JWT authentication, OTP verification, role-based dashboards, and booking workflows.
- Integrated map-based service discovery using Leaflet and OpenStreetMap.
- **Tech Stack: Next.js, React, TypeScript, Tailwind CSS, Framer Motion, Zustand, MongoDB Atlas, Leaflet, Nodemailer**

PharmaSense | [Link](#) | [GitHub](#)

AI-Driven Pharmacy Inventory Management System

- Developed a role-based pharmacy management platform supporting inventory tracking, expiry monitoring, and demand forecasting.
- Implemented FEFO-based stock management with automated low-stock and expiry alerts.
- Built demand forecasting services using Flask and machine learning models.
- **Tech Stack: React, Vite, Tailwind CSS, Firebase Firestore, Firebase Hosting, Python, Flask**

TECHNICAL SKILLS

- **Languages:** C++, Python, JavaScript, TypeScript, SQL
- **Core CS:** Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks
- **Frameworks:** React, Next.js, FastAPI, Flask, Tailwind CSS
- **Databases:** PostgreSQL, MongoDB Atlas, Firebase Firestore
- **AI/ML:** PyTorch, Hugging Face Transformers, Scikit-Learn
- **Tools:** Git, GitHub, Docker

ACHIEVEMENTS

- Solved 300+ LeetCode problems with 1520+ contest rating.
- Contributor, GSSoC 2026.
- Maintained CGPA of 9.64/10.
- Strong understanding of Arrays, Trees, Graphs, Dynamic Programming, Greedy Algorithms, and Binary Search.

Hackathons

- Participated in IIT Gandhinagar Odoo × Amalthea Hackathon 2025, Aetrix Hackathon, PDEU, 2026