

NAMRAA PATEL

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EDUCATION

Pandit Deendayal Energy University (PDEU)

B.Tech – Computer Science & Business Systems (CSBS), CGPA: **9.46/10**

Government Polytechnic Ahmedabad

Diploma Engineering – Computer Science, CGPA: **9.78/10**

Gandhinagar, India

Expected: May 2028

Ahmedabad, India

Aug 2022 – Apr 2025

EXPERIENCE

Open Source Contributor

GSSoC 2026 & Open Food Facts

Apr 2026 – Present

Remote

- Architected Redis-backed distributed rate limiting for authentication services, eliminating bypass vulnerabilities and supporting **500+ concurrent requests** in Eventra (Event Management & Ticketing Platform).
- Eliminated race conditions by synchronizing shared runtime state across asynchronous services, improving the consistency and reliability of concurrent workflows in AegisGraph-Sentinel (AI-Powered Cybersecurity & Fraud Detection Platform).
- Engineered thread-safe model initialization and concurrent inference execution, eliminating race conditions and improving reliability of AI-powered RAG pipelines in pdf-qa-bot (RAG-Based Document Question-Answering System).
- Recognized architectural inconsistencies in authentication workflows and drove the implementation of a centralized identity model across backend services in LegalEase (AI-Powered Legal Document Analysis Platform).

Django Backend Intern

Techaronic IT Solutions Pvt. Ltd.

Jun 2024 – Aug 2024

Ahmedabad, India

- Engineered Django REST APIs for production applications, implementing database indexing and ORM query optimizations to improve query efficiency and reduce average API response times by **25%**.
- Designed and implemented authentication and authorization workflows for production services, enforcing secure request validation, access control, and backend security best practices across application modules.
- Deployed and maintained applications on AWS EC2, managing environment configuration, dependency isolation, production debugging, and infrastructure-level issue resolution under live traffic.

PROJECTS

ProfiLens | [ProfiLens](#) | Django, DRF, PostgreSQL, ReportLab

- Architected a service-oriented Django REST Framework backend with independent modules for authentication, quiz engine, rewards, and PDF generation, supporting independent feature evolution and maintainability.
- Designed normalized PostgreSQL schemas with indexed relationships supporting user management, progress tracking, and gamification workflows; applied query-level indexing to reduce read latency on high-frequency endpoints.
- Secured all API surfaces with RBAC and session-scoped permissions; automated certificate/resume generation as a background document-rendering pipeline using ReportLab.

Personal Cloud Assistant | [PersonalCloudAssistant](#) | AWS Lambda, API Gateway, DynamoDB, S3, Cognito

- Designed event-driven, stateless REST APIs on AWS Lambda + API Gateway, each function executes independently with no shared state, enabling automatic horizontal scaling under variable load.
- Modeled scalable NoSQL storage in DynamoDB and implemented secure object storage via S3 pre-signed URLs with IAM role-based access policies and Cognito-based user authentication.

TeamSense - AI-Powered HR Analytics Platform | [TeamSense](#) | Django, Celery, Redis, Docker, React

- Engineered Celery-Redis pipelines that reduced synchronous processing load by **60%** and improved responsiveness, decoupling compute-intensive workflows from synchronous request handling.
- Designed multi-entity PostgreSQL schemas (employees, meetings, feedback); containerized full-stack deployment with Docker for environment reproducibility across dev and production.

TECHNICAL SKILLS

Languages: Java, C++, Python, JavaScript, TypeScript, PHP

Backend & Databases: Django, REST APIs, Flask, FastAPI, PostgreSQL, MySQL, SQL, MongoDB

Cloud & Systems: AWS (Lambda, API Gateway, S3, DynamoDB, EC2, IAM, Bedrock), Docker, Linux, Git, Kubernetes

Core CS: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks, System Design

AI & ML: LLM Applications, Transformer Models, Retrieval-Augmented Generation (RAG), TensorFlow, Hugging Face, Model Evaluation

ACHIEVEMENTS

- Competitive Programming & Open Source:** LeetCode Rating 2013, CodeChef 4★, Codeforces 1364; solved 500+ problems across platforms and contributed 90+ merged pull requests to production-grade open-source projects.
- Qualified for Round 2 in **Google The Big Code 2026**; Ranked Top 2,500 among 30,000+ in **Amazon ML Challenge 2025**.
- Open Source Hackathon Winner:** Delivered production-ready features under competitive time constraints.
- Hackout 2025 Finalist:** Advanced to final evaluation on technical merit; OCI Generative AI Professional & Data Science Professional.