

Rudra Parmar

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Portfolio | LinkedIn | GitHub

Profile

Full-stack developer specializing in scalable backend systems, secure API architectures, and responsive web interfaces. Architected production-ready platforms with role-based access control, real-time analytics, and cloud deployment. National hackathon finalist with strong foundation in system design, data modeling, and performance optimization.

Engineering Projects

ClassConnect — Adaptive Learning Platform (Full-Stack) Jan 2026 Top 28 Nationwide — Quasar 4.0

- Architected multi-tenant backend handling teachers, students, parents, and institutions
- Designed REST APIs for authentication, real-time progress tracking, analytics pipelines, and data synchronization
- Modeled scalable database schema for high-volume learning data and optimized queries for concurrent access
- Implemented real-time mastery tracking and performance dashboards for adaptive learning insights
- Tech: Python, Firebase, REST APIs, Authentication, Database Design

HealthHub — AI-Powered Healthcare System 2025

- Engineered secure backend handling medical records, appointments, telemedicine workflows, and AI symptom analysis
- Implemented encrypted authentication, role-based data access, and scalable cloud deployment pipelines
- Integrated ML model endpoints into production APIs for real-time predictions
- Tech: Python, Firebase, REST APIs, Railway, ML Integration

Drive-Safe — Real-Time AI Driving Analytics Platform 2025

- Built real-time data ingestion services for mobile sensor streams and driving behavior classification
- Designed analytics backend for alert systems, rewards engine, and performance monitoring dashboards
- Implemented location services and efficient data storage pipelines
- Tech: Python, Firebase, OpenCV, REST APIs, Real-Time Processing

Professional Experience

Tech Team — Google Developer Groups DJSCE Dec 2025 – Present

- Developed production React dashboards and event platforms using Tailwind CSS
- Implemented data management interfaces and collaborated on scalable web workflows

Frontend Engineer Intern — Techsphere May 2024 – Jun 2024

- Integrated REST APIs, optimized UI performance, and improved client-server communication efficiency

Technical Stack

Frontend: React, Tailwind CSS, JavaScript, HTML/CSS

Backend: Python, REST API Design, Authentication Systems, Node.js (learning)

Databases: MongoDB, SQL, Firebase Firestore, Data Modeling

Cloud & DevOps: Firebase, Railway, Docker (basic), AWS (basic)

Engineering: System Design, Performance Optimization, API Integration, Git/Linux

Education

B.Tech in Information Technology — DJ Sanghvi College of Engineering 2025–2028

- Semester 3 SGPA: 9.10

Diploma in Computer Science — Bhagubhai Mafatlal Polytechnic 2022–2025

- GPA: 3.8/4.0
- Key Areas: Data Structures & Algorithms, Networking, Software Engineering, Web Systems

Achievements

- National Top 28 at Quasar 4.0 Hackathon for scalable full-stack platform
- State-Level Hackathon Winner for real-time AI system
- 2x Intra-collegiate coding competition winner
- Active competitive hackathon participant (4+ events)