

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 with RBAC security layers		
• 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		2024
• 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		2024
• 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
- Active competitive hackathon participant (4+ events)