

# Raj Rahulbhai Patil

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## SUMMARY

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Passionate Full-Stack Software Developer with hands-on experience building scalable web applications, REST APIs, AI-powered systems, and cross-platform mobile applications. Skilled in JavaScript, Python, MERN Stack, Flutter, FastAPI, backend development, and DevOps fundamentals. Experienced in authentication, payment gateway integration, database design, AI application development, and software architecture. Strong problem-solving skills with a passion for building efficient, scalable, and production-ready applications.

## EDUCATION

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### Parul University

Bachelor of Technology (B.Tech), Computer Science & Engineering (Artificial Intelligence)

### Parul University

Diploma in Agriculture Engineering

### Ambe School

Secondary School (10th Standard)

## EXPERIENCE

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### Full-Stack Developer Intern (Backend & DevOps)

Anandorja LLP

Present

Vadodara, Gujarat

- Develop responsive and scalable web applications using React.js, Node.js, Express.js, and FastAPI.
- Design and develop secure REST APIs and backend services.
- Implement JWT authentication and role-based authorization.
- Build and optimize MongoDB database schemas.
- Integrate third-party APIs and payment gateways.
- Assist with deployment workflows and DevOps-related activities.
- Collaborate using Git and GitHub following modern development workflows.
- Debug, optimize, and maintain production applications.

### Hardware Engineer

System Solution

Vadodara, Gujarat

- Installed, assembled, and configured desktop computers, laptops, printers, and networking devices.
- Diagnosed and resolved hardware and software issues.
- Installed Windows operating systems, drivers, and enterprise software.
- Performed preventive maintenance and hardware upgrades.
- Provided technical support and troubleshooting for clients.
- Maintained hardware inventory and service documentation.

### Quality Control Executive

Beacon Ltd.

Vadodara, Gujarat

- Performed quality inspections during manufacturing processes.
- Conducted visual and dimensional inspections according to quality standards.
- Identified production defects and maintained quality reports.
- Collaborated with production teams to improve product quality.
- Ensured compliance with SOPs and safety procedures.

## PROJECTS

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### **Swiggy Clone – Full-Stack Food Delivery Platform** | Tech Stack: MERN Stack, Redis, Stripe

- Developed a complete food delivery application using the MERN Stack.
- Implemented JWT authentication and role-based authorization.
- Integrated Stripe payment gateway.
- Used Redis for session management.
- Built geolocation-based restaurant discovery and delivery tracking.
- Implemented background jobs for automated order processing.
- Designed scalable REST APIs and optimized MongoDB schemas.

### **City AI – AI-Powered Civic Complaint Management System** | Tech Stack: React.js, FastAPI, Python, Google Gemini

- Built an AI-powered complaint management system.
- Developed responsive frontend using React.js.
- Designed scalable backend APIs using FastAPI.
- Integrated Google Gemini for AI-based complaint classification.
- Automated complaint routing and management.

### **Olympics Management System** | Tech Stack: MERN Stack

- Developed a complete Olympic management platform.
- Managed athletes, events, countries, sports, and medal records.
- Built CRUD APIs and MongoDB database models.
- Followed structured Git-based software development practices.

### **Place.ai – Cross-Platform Mobile Application** | Tech Stack: Flutter, REST APIs

- Developed a Flutter mobile application.
- Integrated backend APIs.
- Managed environment configuration.
- Performed emulator testing and debugging.
- Built responsive Android interfaces.

### **Local AI Orchestrator** | Tech Stack: Python, FastAPI, Local LLMs

- Designed a multi-model AI orchestration platform.
- Built intelligent routing between locally hosted language models.
- Optimized inference for NVIDIA RTX 3050 GPU.
- Developed modular AI agent architecture.
- Focused on privacy-first offline AI execution.

### **Local AI Chess Engine** | Tech Stack: Python, Local AI

- Developed an offline AI-powered chess application.
- Built modular architecture separating AI logic and gameplay.
- Optimized local AI inference.
- Designed support for multiple AI difficulty levels.

### **Software Dev Teacher – AI Coding Mentor** | Tech Stack: Python, LLMs, Prompt Engineering

- Developed an AI-powered software engineering mentor.
- Designed structured prompts for programming guidance.
- Built reusable AI workflows for debugging and architecture discussions.
- Focused on teaching software engineering best practices.

## TECHNICAL SKILLS

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JavaScript (ES6+)

Python

Dart

HTML5

CSS3  
React.js  
Flutter  
Responsive Web Design  
UI/UX Design  
Node.js  
Express.js  
FastAPI  
REST API Development  
MongoDB  
Redis  
JWT Authentication  
Role-Based Authentication  
Password Hashing  
Google Gemini API  
Prompt Engineering  
Local LLM Integration  
AI Agent Development  
Git  
GitHub  
Postman  
VS Code  
Android Studio  
MongoDB Compass  
Environment Configuration  
Deployment Fundamentals  
Stripe Payment Gateway  
Full-Stack Development  
Backend Development  
Mobile App Development  
Database Design  
AI Application Development  
Authentication & Authorization  
Payment Gateway Integration  
DevOps Fundamentals  
Git & GitHub  
Software Debugging  
Problem Solving  
Team Collaboration  
Clean Code & Software Architecture

## **LANGUAGES**

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English Hindi Gujarati