

# RAJ PATIL

Backend Developer

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## CAREER OBJECTIVE

Analytical and performance-driven Backend Developer skilled in Python, Django, and data analytics. Passionate about building scalable APIs, optimizing databases, and applying data-driven insights to enhance backend efficiency and user experience. Seeking opportunities to contribute to real-world projects that merge backend logic with analytical problem-solving.

## SKILLS SUMMARY

**Programming Languages:** Python, C++, SQL

**Frameworks:** Django, Django REST Framework

**Databases:** MySQL, SQLite, MongoDB (basic)

**Data Tools:** Pandas, NumPy, Matplotlib, Jupyter Notebook

**Web Technologies:** HTML, CSS, JavaScript (basic)

**Version Control & Tools:** Git, GitHub, Firebase (basic), VS Code

**Soft Skills:** Problem Solving, Analytical Thinking, Collaboration, Research

## EDUCATION

### Master of Science in Information Technology

Shree Ramkrishna Institute of Computer Education & Applied Sciences, Surat — *Pursuing* (Expected 2027)

### Bachelor of Science in Information Technology

Bhagwan Mahavir University, Surat — *Graduated* 2025

**Class 12th (GSEB)** — C.C Shah High School, Surat — 2021

**Class 10th (GSEB)** — St. Marks High School, Surat — 2019

## TECHNICAL SKILLS

Python | Django | REST APIs | MySQL | SQLite | Pandas | NumPy | Matplotlib | Git | VS Code |  
Firebase (basic)

## PROJECTS

### Eatify — Online Food Ordering System (Django)

- Developed and deployed a backend-driven food ordering platform using Django and SQLite.
- Built REST APIs for cart, order, and payment modules.

- Implemented authentication, checkout flow, and reusable modular views for scalability.
- Cashfree API payment gateway integration is under progress (pending implementation).
- Optimized ORM queries, improving performance and response time by  $\approx 20\%$ .

#### **Smart Stick — IoT Assistance Device (Final Year B.Sc. Project)**

- Built an assistive smart stick using Raspberry Pi, LiDAR, Ultrasonic, and GPS sensors.
- Collected and analyzed sensor data for real-time obstacle detection; implemented voice alerts in Python.
- Designed to aid visually-impaired individuals with safer navigation.

### **EXPERIENCE**

#### **Backend Developer — Personal & Freelance Django Projects**

- Developed Django-based web applications with authentication, CRUD operations, and REST APIs.
- Managed database schema design, query optimization, and API integration.
- Collaborated with peers through GitHub; followed agile and version-control best practices.

### **CERTIFICATIONS & WORKSHOPS**

- AWS Cloud Computing & JIRA Software — Workshop
- Generative AI on AWS (Party Rock & Amazon Bedrock) — Workshop
- Design Thinking for Entrepreneurship — Workshop
- Completed self-learning modules in Pandas, NumPy, and Matplotlib (Kaggle practice projects)

### **CO-CURRICULAR ACTIVITIES**

- Team Lead — Event Management at College Fest
- NSS Volunteer — Social and Community Service
- Sports Enthusiast — Cricket and Kabaddi

### **TECH STACK SUMMARY**

**Python | Django | REST API | MySQL | Pandas | NumPy | Data Analytics**