RAJ PATIL *Backend Developer*

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PROFESSIONAL SUMMARY

Backend-focused IT professional pursuing M.Sc. in Information Technology with hands-on experience in Python and Django-based web application development. Experienced in designing REST APIs, integrating third-party services, implementing secure payment workflows, and building scalable backend systems. Strong understanding of Django MVT architecture, database optimization, and intelligent data processing applications.

EXPERIENCE

Zapuza   11/2025 – Present
Python Developer Intern
- Contributing to backend development using Python and Django for production-level web applications.
- Implementing authentication systems and role-based access control.
- Designing relational database schemas and optimizing Django ORM queries.
- Fixing bugs, enhancing existing features, and improving backend performance.
- Collaborating with the development team using Git-based workflows and structured development practices.

EDUCATION

Shree Ramkrishna Institute of Computer Education & Applied Sciences, Surat   2027
                                                                        Surat
Master of Science in Information Technology (Pursuing)

Bhagwan Mahavir University, Surat   2025
Bachelor of Science in Information Technology   Surat

TECHNICAL SKILLS

Languages	Frameworks	Databases	AI & Data Tools
Python, SQL	Django, DRF	MySQL, SQLite	Pandas, NumPy, Matplotlib, FAISS

Tools	Concepts
Git, GitHub, Postman	Django MVT Architecture, ORM Optimization, REST APIs, Authentication & Authorization, Vector Search

PROJECTS

Eatify

Online Food Ordering Platform

Tech Stack: Django, SQLite, REST APIs, Cashfree Hosted Checkout

- Designed and developed a full-featured food ordering system including cart, wishlist, checkout, and order history modules.
- Integrated Cashfree Hosted Checkout for secure online payment processing (UPI, Cards, Net Banking).
- Implemented payment session handling and return URL-based confirmation flow to dynamically update order status.
- Built REST APIs for cart management, order placement, and checkout workflows.
- Implemented role-based admin access control and order status tracking.
- Optimized ORM queries, improving response time by approximately 20%.

DocuMind

Intelligent Document Interaction System

Tech Stack: Django, Python, FAISS Vector Store, Grog (Llama-3), LangChain

- Developed a Django-based platform enabling users to upload PDF documents and Interact with content using AI-powered semantic search.
- Implemented document text extraction, embedding generation, and vector storage using FAISS.
- Integrated Groq LLM (Llama-3) for natural language query responses and document summarization.
- Designed secure upload endpoints and backend logic for processing and querying structured document data.
- Structured backend architecture to support scalable semantic retrieval workflows.

Smart Stick

IoT Assistance Device

Tech Stack: Python, Raspberry Pi, LIDAR, Ultrasonic, GPS

- Developed an assistive navigation system for visually impaired individuals using real-time sensor data processing.
- Implemented obstacle detection logic and voice alert feedback system in Python.
- Improved reliability through sensor calibration and testing.

CERTIFICATIONS

- AWS Cloud Computing & JIRA Workshop
- Generative AI on AWS (Party Rock & Amazon Bedrock)
- Design Thinking for Entrepreneurship