

RAJAN JASANI

Python Developer

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Surat, Gujarat, India



SUMMARY

Full-stack engineer with focus on GenAI and RAG-based systems, with experience in Python, Django, React, PostgreSQL, OpenAI APIs, and Vector Databases. Skilled in building end-to-end AI-driven applications and automation pipelines.

EDUCATION

Bachelor of Engineering

Bachelor of Engineering in Computer Engineering
Gujarat Technological University
CGPPA: 8.54
2020 – 2024

Higher Secondary, 2020

Presidency School, Surat
GSEB, Score: 78%

SKILLS

Programming & Backend Frameworks

- Python, Django, Django REST Framework (DRF), FastAPI, Flask, Machine Learning.

Frontend & UI

- HTML5, CSS3, JavaScript, React.js, Tailwind CSS, Streamlit

Databases & Caching

- PostgreSQL, MySQL, Redis
- Pinecone, S3 Vector Store, Postgres Vector Extension.

Web Scraping & Automation

- Scrapy, Playwright, BeautifulSoup

AI & Integrations

- OpenAI API, LangChain, AWS Bedrock.
- Semantic Search, Vector Embeddings, RAG Pipelines, and MCP Architecture

Cloud & DevOps (Basic)

- AWS (EC2, S3, lambda, IAM, SES - basics)
- Docker (Containerization – Basic)

CERTIFICATIONS

- [AWS-AI-CF01 AI Practitioner Exam](#)

PROFESSIONAL EXPERIENCE

Software Engineer L2

Crest Skillserve Pvt Ltd. | Surat | May, 2024 - Present

- Developed full-stack web applications and REST APIs using Django, DRF, React, and PostgreSQL, with focus on performance and scalability.
- Built automated data extraction pipelines using Scrapy and Playwright for large-scale, reliable web scraping.
- Integrated AI features using OpenAI APIs and Pinecone for semantic search and intelligent automation.
- Built the end-to-end backend for a Traditional Chinese Medicine-based RAG chatbot using a microservices architecture, supporting a knowledge base of 600+ videos and 100+ textbooks, with services for video transcription, PDF/text vectorization, query processing, similarity search, and core application logic.
- Currently working on a cricket video analysis system that extracts player keypoints using RTMPose and detects the cricket bat with a retrained YOLOv8 model.

Backend Developer Intern

Crest Infosystems Pvt Ltd. | Surat | Jan, 2024- May 2024

- Assisted in API development tasks, including database design, endpoint creation, and data serialization for real-world client projects.

PROJECTS

- Delivered a **Measurement Management System** for a civil engineering firm based in Surat, streamlining site data collection and reporting processes. And add offline data sync process.
- Built the backend for a **HUD finance-focused RAG chatbot** with document upload, processing, and question-answering using vector search.
- Built a FastAPI-based backend for generating customizable Google/Yelp review and marketing widgets using templates, producing a simple two-line HTML embed (div + script) for easy integration into any website.
- Built a **personal assistant** for daily task management, finance tracking, secure password vault, ideas board, and Pomodoro timer, with Gemini integration to handle all CRUD operations via chat and voice commands.

COMMUNITY WORK

- [Delivered a Talk on Mastering Django ORM](#)

Delivered a talk on mastering Django ORM at Django India Meetup - Surat Edition.