

# Shlok Soni

Python-First Software Engineer | Backend Systems | Applied AI / LLM Engineering

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## PROFESSIONAL SUMMARY

Python-first software engineer converted from internship to full-time after building production backend, automation, document-processing, and applied AI workflows. Owns 6 production fintech data systems powering thousands of daily orders, with strength in Python services, legacy modernization, production debugging, document intelligence, and practical LLM/OCR solutions.

## TECHNICAL SKILLS

**Languages:** Python, Java, SQL, Bash/Shell

**Backend:** REST APIs, FastAPI, Spring MVC, JDBC, Servlets, API integration, legacy enterprise systems, MySQL/MariaDB, PostgreSQL, MongoDB, Redis

**AI / ML:** Document AI, OCR, OpenCV, LLM applications, RAG, LangChain, prompt engineering, multimodal AI, vector databases

**Infra / Tools:** AWS EC2/EKS exposure, Lambda, S3, Docker, Kubernetes exposure, Kafka, Nginx, Jenkins, Harbor, Git, Linux, Playwright, Selenium

## PROFESSIONAL EXPERIENCE

### Accumn (Yubi Group)

Software Engineer

Software Engineering Intern

Ahmedabad, India

Jun 2024 -- Present

Jan 2024 -- May 2024

- Own and operate 6 production systems powering thousands of daily fintech data orders across crawling, document processing, bureau data, automation, and authentication workflows.
- Supported migration of legacy workloads from EC2/Lambda to AWS EKS with DevOps, contributing app-side containerization, deployment configuration, environment/secrets wiring, health checks, runtime tuning, and production validation.
- Built a unified Python document-processing system for 13 regulatory PDF/form workflows, replacing scattered extraction logic with configurable mappings, table detection, normalization, QA annotations, reprocessing, and LLM-assisted understanding.
- Redesigned a high-volume search/filter workflow to reduce duplicate API calls, add retry/timeout handling, improve failure visibility, and make operational triage easier.
- Applied out-of-the-box engineering to revive and automate a stale authentication workflow using hardware integration, mobile fallback, backend APIs, and EKS deployment, reducing infrastructure footprint by 67%.
- Built LLM-assisted document intelligence workflows for unstructured PDFs, adding bounding boxes, table parsing, key-value extraction, and form understanding for layouts that rule-based parsers struggle with.
- Developed self-service backend automation tools for operations, including Excel-driven query execution, chunked processing, DB-side timeouts, retry tracking, and email delivery.
- Delivered INR 6.9L annualized infrastructure savings through migrations, server retirement, workload consolidation, and resource right-sizing.
- Stabilized production workflows through incident debugging, on-call support, crawler fixes, document extraction fixes, and automation improvements.

### Kshatra Infotech

Data Science Intern

Gandhinagar, India

Jun 2023 -- Jul 2023

- Worked on data processing, annotation, and machine learning experiments using Python, OpenCV, YOLOv8 exploration, optimizer experiments, and practical AI tooling.
- Contributed to preprocessing and model-evaluation workflows while learning deep learning concepts through applied computer-vision tasks.

## PROJECTS

### Wealth Wheel

Full-stack strategy game, bots, deployment

- Built and deployed a Monopoly-inspired strategy game as a public product, including gameplay flows, trade mechanics, bot behavior, release environments, and production-minded iteration.

### Unified Document Processor

Python, LLMs, OCR, Document AI

- Built a Python + LLM-enabled architecture for configurable document LLM extraction, validation, reprocessing, schema mapping, and human-readable QA output.

### LLM / Agent Architecture

Python, LangChain, RAG, Vector Search

- Designed context-aware routing across API calls, backend database queries, and RAG retrieval over large enterprise schemas.

## EDUCATION

Master of Computer Applications, Nirma University

2022 -- 2024

CGPA: 8.13 | TFW scholarship seat; ranked 5th in Gujarat for MCA admissions through ACPC / CMAT

Bachelor of Computer Applications, VNSGU

2019 -- 2022

CGPA: 7.72

## ACHIEVEMENTS

BEYOND CODERS -- Series Crackers: Winner

Feb 2023

Company-wide Hackathon: 5th place, Team Magicians