

# Saurabh Chauhan

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## PROFESSIONAL SUMMARY

Backend Software Engineer with 3+ years building scalable distributed systems and microservices processing 110K+ daily requests and serving 10K+ users. Expert in Python (Django, FastAPI) and Java (Spring Boot) with proven experience in RESTful APIs, implementing microservices, and optimising database performance.

## TECHNICAL SKILLS

- **Languages:** Python, Java, SQL, JavaScript, React
- **Backend:** Django, FastAPI, Spring Boot, REST APIs, gRPC, WebSocket, Microservices, Apache API SIX, Nginx.
- **Database:** PostgreSQL, Redis (caching/queues), SQL Alchemy, SQL Server, AWS (EC2, S3), GCP
- **DevOps:** Docker, Kubernetes, CI/CD (Git, Jenkins, GitLab CI, Actions), Robot Framework (RPA)

## EXPERIENCE

### Product Dossier Solutions Pvt Ltd (Kytes)

June 2023 - July 2024

Software Engineer, AI-ML & Product Development

Pune, MH, IN

- Implemented an automated deployment system for PSA using **Obevo** and **Apache Freemaker**, reducing deployment time by 67% and supporting 10+ daily deployments and 5+ monthly production releases.
- Integrated **Apache API gateway** with JWT authentication, rate limiting (1000 req/min), load balancing, and reduced API latency by 40% and eliminated security vulnerabilities.
- Built a RAG-based chatbot using RASA, LangChain, and gRPC, integrated into project management software, and achieved a 50ms response time, serving over 10K users with 95% accuracy in document Q&A.

### Dasha Krit Technology Pvt Ltd

April 2021 - April 2023

Software Engineer

Pune, MH, IN

- Architected a **multi-tenant** SaaS POSH compliance app using **Django** and **PostgreSQL** by designing custom authentication, 10+ relational models, FSM (transitions), RESTful APIs and deployed it on **GCP** to 10+ clients.
- Streamlined real-time **WebSocket** data pipeline with **SQL Alchemy** processing 1000+ updates/minute, enabling 100+ traders to make data-driven decisions.
- Developed a comprehensive test automation framework with over 100+ test cases using **Robot Framework (RPA)** and **Playwright**, ensuring full feature coverage through data-driven testing methodology.

### University of Illinois Springfield

April 2025 - Present

Website Intern

Springfield, IL

- Developing production-ready web components using **Drupal CMS**, **Twig templates**, **Bootstrap**, and semantic HTML5, ensuring WCAG 2.1-AA accessibility and responsive design across mobile and desktop platforms.
- Build **OpenAI chatbot** backend with session management and token-limited API calls, handling 200+ FAQ queries with 90% accuracy.

## EDUCATION

### University of Illinois Springfield

August 2024 - May 2026

Master of Science, Computer Science

Springfield, IL

### Pune University

August 2016 - May 2021

Bachelor of Engineering, Computer Engineering

Pune, MH, IN

## PROJECTS

- Developed a high-concurrency **Restaurant POS system**, implementing a **Django/PostgreSQL** backend with **JavaScript** to handle 50+ orders with real-time **WebSocket** synchronization and secure RBAC with 6 roles.
- **Invoice IQ** | Created an end-to-end invoice processing pipeline using **Flask REST API**, GPU-accelerated OCR (Tesseract), and a custom **SpaCy transformer NER model**, achieving 95% accuracy in automatically extracting 8 key financial entities from 200+ invoice documents.

## CERTIFICATE

- AWS Machine Learning Essentials (Nov 2025) | AWS Essentials (Jun 2024)