

# Shivani Ghundare

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## SUMMARY

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Python Developer with 3+ years of backend experience specializing in Django, FastAPI, and microservices. Skilled in building scalable REST APIs, asynchronous processing, data pipelines, SQL optimization, and cloud deployments. Experienced with AWS, Docker, Kubernetes, CI/CD automation, and AI-based solutions.

## SKILLS

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**Languages & Frameworks:** Python, Django, FastAPI, REST API Development, OAuth2, Swagger.

**Databases:** PostgreSQL, MySQL, SQLite, SQL Tuning, Query Optimization.

**DevOps & Cloud:** AWS (EC2, S3, Lambda), Docker, Kubernetes, Jenkins, GitLab CI, Terraform.

**Data Tools:** Pandas, NumPy, Scikit-learn, ETL Pipelines.

**AI & Automation:** Generative AI, Agentic RAG, NLP, Automation Workflows.

**Tools & Practices:** Git, GitHub, PyTest, Postman, Scrum, Kanban.

## Experience

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**Python Developer**, eClerx – Pune, Maharashtra Aug 2022 – Present

- Developed and maintained secure, high-performance backend systems for large-scale financial and data platforms using Python (Django, FastAPI).
- Built and optimized RESTful APIs with OAuth2 authentication, enabling seamless integration between microservices.
- Designed and implemented relational database schemas, wrote advanced SQL queries, and performed query tuning and indexing for PostgreSQL and MySQL, improving data access speeds by up to 35%.
- Created ETL pipelines and automated data processing workflows using Pandas and NumPy, reducing manual effort by 50%.
- Implemented OAuth2 for secure access control with comprehensive API documentation.
- Integrated AI-powered analytics and automation modules to enhance reporting and decision-making.
- Deployed and managed microservices using Docker, Kubernetes, and AWS, achieving near-zero downtime.
- Automated build, testing, and deployment workflows via CI/CD pipelines with Jenkins, GitLab CI, and Terraform, reducing release cycles by 40%.
- Collaborated in Agile environments (Scrum, Kanban) to deliver robust, production-grade backend solutions.
- Built real-time communication services using FastAPI WebSockets for streaming updates and live notifications, reducing latency for concurrent clients.

## Projects

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**Real-Time Sentiment Analyzer** | **Tools Used:** FastAPI, PyTorch, Hugging Face

- Built a real-time NLP API that classifies sentiment (positive, neutral, negative) from input text using a pre-trained Transformer model.
- Designed a low-latency REST endpoint optimized for concurrent requests and integrated with monitoring tools for performance tracking.

**AI Chatbot with RAG Pipeline** | **Tools Used:** LangChain, FastAPI, OpenAI API

- Developed a GenAI-powered chatbot using Retrieval-Augmented Generation (RAG).
- Built FastAPI backend with embeddings, vector search, and conversation memory.
- Reduced response latency by 30% with async processing.

## Education

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University of Pune, Master's in Computer Science

Aug 2022 – Sep 2024

- GPA: 8.25/10

## Certifications

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- **Generative AI Certification** - University Munich
- **Oracle Cloud Infrastructure Generative AI** - Oracle University
- **Oracle Cloud Infrastructure Foundations** - Oracle University