Anjalee Thorat

Python + AI/ ML/ GenAI | 3+ years of exp | Immediate Joiner

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SUMMARY

AI / ML / GenAI Engineer with **3+ years of professional experience** and strong foundation in **Python backend systems.** Solid backend engineering expertise (**Django, REST APIs, microservices**) and hands-on experience building **GenAI solutions** including **RAG pipelines**, **semantic search**, **chatbots**, and **multi-agent systems** using **LangChain** and **vector databases**. Focused on designing scalable, production-oriented AI systems in Agile environments.

SKILLS

AI / GenAI:	LLMs, RAG, LangChain, LangGraph, Prompt Engg, Chatbots, AI Agents
Machine Learning:	PyTorch, Sentence Transformers, Embeddings, Semantic Search·
Programming Languages:	Python, SQL
Backend Technology:	Django, Django REST Framework, Flask, REST APIs, Microservices
Databases & vector stores:	MySQL, MongoDB, PostgreSQL, ChromaDB, FAISS
Cloud & MLOps:	AWS (EC2, S3, BedRock, Sagemaker), Docker, Kubernetes, CI/CD
Data & Analytics:	NumPy, Pandas, Matplotlib
Other Tools:	Git, Github, Pytest, Postman, VS Code

WORK EXPERIENCE

Web Crypt Technology. Pune, MH
SOFTWARE DEVELOPER   October 2024 - Present

- Designed and developed robust and scalable RESTful microservices using Django Rest Framework.
- Implemented end-to-end API development including request validation, service-layer logic, exception handling, and integration testing.
- Collaborated with front-end, DevOps, and QA teams to ensure smooth delivery of new features and bug fixes in agile sprints.
- Worked closely with AI/GenAI components at a system-design level, ensuring backend services are compatible with AI-driven workflows.
- Implemented message-driven communication using Kafka where applicable to ensure decoupled service interactions.
- Wrote unit and integration tests using Pytest ensuring high test coverage and reliability.
- Participated in code reviews, architectural discussions, and performance tuning initiatives to improve system scalability and resilience.

Accenture. Pune, MH
PACKAGED APP DEVELOPMENT ASSOCIATE   October 2023 - July 2024

- Developed and maintained scalable web applications using Python (Django).
- Built and consumed RESTful APIs to support seamless data communication between microservices and client-side interfaces.
- Designed and implemented microservices architecture for scalable and maintainable modules.
- Participated in code reviews, ensuring adherence to high-quality coding standards.
- Collaborated with business analysts, QA teams, and DevOps engineers to deliver full-stack functionality.
- Contributed to CI/CD pipelines using Jenkins and automation tools.
- Participated in Agile ceremonies: daily standups, sprint planning, retrospectives, and backlog grooming.
- Supported troubleshooting, debugging, and production issue resolution in a managed services environment

Codify Software Services.
SOFTWARE DEVELOPER

Pune, MH
July 2022 – October 2023

- Developed simple Python-based backend applications, using Django for handling requests and serving data to users in a startup environment.
- Built and deployed RESTful APIs to integrate front-end and back-end components of web applications.
- Collaborated with cross-functional teams to design and implement new features and functionalities.
- Supported troubleshooting, debugging and production issue resolution in a managed service environment.
- Performed extensive code reviews to enforce coding standards and improve application's security and scalability.
- Gained exposure to Agile methodologies and participated in daily standups, contributing to feature development.

AI/ GenAI Experience

- Hands-on applied AI experience through independent projects, certifications, and research-oriented work.
- Designed and implemented RAG-based GenAI solutions using LangChain, vector databases, and LLMs.
- Built semantic search pipelines using ChromaDB and FAISS for low-latency information retrieval.
- Developed conversational AI chatbots and agents for knowledge retrieval use cases.
- Integrated AWS Bedrock and SageMaker for experimenting with GenAI workflows.
- Applied prompt engineering and response evaluation techniques to improve answer relevance.

INTERNSHIP:

Research Intern – CDAC Pune | Sep 2021 – May 2022

- Worked on deep learning–based object detection models using PyTorch and transfer learning.
- Focused on model optimization and inference performance for real-world image analysis.
- Worked on YOLOR architecture to improve detection of small and densely packed objects in aerial and remote-sensing imagery.
- Achieved strong detection performance ($\approx$76% mAP) while significantly improving inference speed through model optimization.
- Gained hands-on experience in model training, evaluation, and performance tuning for real-world computer vision use cases.

PROJECTS :

Smart Invigilate – AI-Inspired Exam Supervision

Python | CSS | Javascript | Flask | MySQL

- Pioneered a system for online exam management supporting teachers, students.
- Enabled easy exam creation and participation, improving accessibility by 21%.
- Added analytics features for student and teacher performance tracking increasing insight depth & assessment accuracy by 15%.

Food Recommendation Chatbot

Python | ChromaDB | Sentence Transformers | LangChain | RAG | JSON Data

- Designed a semantic search–based recommendation engine using vector embeddings and similarity search.
- Generated and managed embeddings using Sentence Transformers and stored them in ChromaDB.
- Implemented natural-language query handling with dietary filters and top-k retrieval using LangChain.

EDUCATION

Bachelor of Engineering in Computer Engineering | GPA: 9.5/10
PUNE UNIVERSITY

Pune, MH
July 2018 - August 2022

CERTIFICATE

- RAG and Agentic AI Professional - IBM
- AWS Generative AI Applications Professional Certificate -AWS
- Machine Learning Foundations – AWS Academy