

Dhanashree Patil

📍 Bengaluru, India ✉ dhanashreedpatil11@gmail.com ☎ +918433692898 📧 in/dhanashree-patil-725183182

SUMMARY

Results-driven Python AI Developer with 2.5+ years of experience in building scalable backend systems and AI-driven applications. Skilled in developing FastAPI-based APIs, integrating LLMs using LangChain/LangGraph, and orchestrating agentic workflows. Experienced with SQL, AWS services, and containerized deployments using Docker and Kubernetes. Passionate about creating clean, testable code and collaborating in Agile teams to deliver intelligent, production-ready solutions.

EXPERIENCE

Ipsos MMA, Software Engineer March 2025 – Present, Bangalore

- Developed scalable backend services using Python, Django, and FastAPI to **power AI-driven data platforms**, enabling centralized orchestration of LLM pipelines and analytics workflows.
- Built and automated data workflows using Celery and Django background tasks for model inference, **embedding generation**, metadata extraction, and structured data transformation.
- Designed RESTful APIs for managing data contracts, schema validation, and serving **ML-ready datasets**—facilitating seamless integration with **RAG pipelines and LLM services**.
- Optimized system performance by implementing distributed task queues with Redis, ensuring efficient resource usage for **high-throughput** AI workflows and agentic execution chains.
- Integrated backend services with **vector databases** and embedding stores (e.g., FAISS, Redis), contributing to the foundation of scalable generative AI and retrieval-augmented architectures.

Route Mobile Limited, Software Developer March 2023 – March 2025, Mumbai

- Engineered high-performance **FastAPI** services to power real-time, AI-integrated communication workflows, enabling seamless interaction between microservices in a production-grade environment.
- Established secure authentication flows using **JWT and OAuth2**, **strengthening access control** for multi-tenant systems and ensuring compliance across distributed deployments.
- Structured and tuned **relational databases** (PostgreSQL, MySQL) using SQLAlchemy, while extending backend readiness for hybrid storage using vector databases for future LLM integration.
- Shaped the CI/CD and deployment pipeline through **Docker and Kubernetes**, while enhancing runtime observability with integrated logging and monitoring for uptime, latency, and inference accuracy.

SKILLS

Languages: Python, JavaScript, C#
Frameworks & Libraries: LangChain, LangGraph, LlamaIndex, PyTorch, TensorFlow, FastAPI, Flask, Django, DRF, Pandas, NumPy, PySpark
Cloud & Infrastructure: AWS (Lambda, ECS, Step Functions, Glue, S3), Docker, Kubernetes, Kafka
Developer Tools: Git, Postman, Linux/Windows Servers, Nginx, RabbitMQ
Databases: PostgreSQL, MySQL, Redis, NoSQL, Vector DB, Neo4j, GraphML
AI & MLOps: Generative AI (GPT, Claude, Gemini), RAG, Graph RAG, LLM Integration, Fine-tuning, Knowledge Graphs, Embeddings

EDUCATION

Bachelors in Computer Engineering
Vishwaniketan's Institute of Management Entrepreneurship and Engineering Technology • Khalapur • 2022 • 7.75 CGPA

PROJECTS

API Gateway with Flask + Microservices in Django

- Architected an API Gateway using Flask to route and manage requests across Django-based microservices, enabling scalable service orchestration and reducing response latency.
- Designed modular microservices in Django for user authentication, analytics, and data processing, following clean architecture principles for maintainability and faster feature rollout.
- Centralized access to backend services via a Flask API Gateway, enabling unified authentication, dynamic routing, and structured logging.

AI-Powered Resume Parser + Job Matcher (Flask AI + Django Admin Panel)

- Developed an AI-powered resume parser and job matcher platform using Flask and Django, automating the extraction of structured information such as skills, experience, and education from uploaded resumes.
- Built a secure authentication system and dynamic job management dashboards using Django, ensuring a smooth and user-friendly experience for both recruiters and candidates.
- Leveraged natural language processing (NLP) techniques including spaCy and semantic similarity models to intelligently match candidate profiles with job descriptions, significantly enhancing the accuracy of candidate shortlisting and reducing manual effort.