

Asadullah Khan

AI Engineer

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SKILLS

- **Languages:** Python, Java, JavaScript, SQL
- **LLM/NLP:** Langchain, Langgraph, Azure OpenAI, Ollama, RAG
- **Frameworks:** FastAPI, Flask, Django
- **Speech AI:** Whisper, Google STT/TTS, OpenAI TTS
- **Databases:** MySQL, Oracle, PostGre, Redis
- **Vector DB:** ChromaDB, FAISS, Pinecone
- **DevOps & Cloud:** AWS, Docker, Git, Nginx, Kubernetes, NextCloud
- **Workflow Automation:** Zapier, n8n, Make
- **Architecture & APIs:** Clean Architecture, Async REST APIs, Microservices, Swagger/OpenAPI
- **Security & Testing:** OAuth2, JWT, CI/CD, Unit and Integration Testing
- **Others:** RESTful APIs, GraphQL, Agentic Workflows, Data Pipelines, MLOps
- **SoftSkills:** Client Communication, Agile Collaboration, Technical Documentation, Team Training

WORK EXPERIENCE

Intrapreneur

Hyderabad, Pakistan

Jr. Software Engineer

Sept 2024 - Present

- Developed “EH GPT”, a student-facing AI assistant powered by LLMs + RAG that improved response quality by 40% with stateful context retention.
- Created a LangChain-based SQL Agent that interprets natural language and converts it into executable SQL for admin dashboards that boosted analytics adoption by non-technical users by 60%.
- Designed and implemented asynchronous FastAPI services with MySQL + SQLAlchemy using clean architecture and Redis caching. Implemented JWT/OAuth2 security and wrote tests achieving over 85% coverage.
- Created Django-based dashboards and RESTful APIs for education platforms. Deployed APIs with Gunicorn + Nginx, and monitored them using Prometheus & Grafana.

ICMA Hyderabad

Hyderabad, Pakistan

AI Trainer

Mar 2025, - May 2025

- Delivered “AI in Finance” bootcamp for 30+ finance professionals, covering Python, NLP fundamentals, and model deployment; achieved 90%+ positive feedback.

EDUCATION

University of Sindh

Jamshoro, Pakistan

Bachelor of Science in Information Technology

Jan 2022 - Dec 2025

FYP: Built LLM-based Robotic Teaching Assistant with RAG, STT, TTS that achieved 85%+ voice response accuracy.

PROJECTS

- **Whatsapp MCP:** Built an automated reply system with a custom fine-tuned LLM and RAG for context-aware interactions.
- **LinkedIn Content Generator:** Automated social media posts with n8n + GPT-4 integration; eliminated 90% of manual effort.