SHAHID HUSSAIN

AI LLM | Python | Django | Backend Engineer | API Specialist

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🔗 https://coder-shahid.netlify.app/ in linkedin.com/in/shahid-python-django-ai/ ⦿ github.com/Shahid-Sheimi

- AI focused backend engineer with nearly 3 years of hands on experience operationalizing LLM based systems in production.
- Built and deployed 15+ AI-powered APIs and intelligent services using Python, Django, FastAPI, and cloud-based architectures.
- Optimized AI pipelines and model workflows, boosting performance 30% and cutting inference time 25%.

EXPERIENCE

AI Software Engineer
Funavry Technologies, Islamabad, Pakistan

📅 September, 2025 – Present

- Engineered scalable GCP-based microservices, data pipelines, pre-processing, caching, monitoring, logging, and resource-optimized backend for LLM/ML-powered enterprise solutions.
- Integrated LLM APIs, transformer models, embeddings, vector DBs (Weaviate, Chroma), training/evaluation pipelines, performance optimization, RESTful APIs, CI/CD, GitHub, debugging, A/B testing, and responsible AI practices.

AI Focused Python Developer
Ninesol Technologies, Islamabad, Pakistan

📅 July, 2024 – September, 2025

- Engineered 60+ Django RESTful APIs and microservices with Redis, Postgres, Pinecone, enabling real-time AI/ML workflows, RAG pipelines, chatbots, and collaborative applications, improving platform functionality by 30%.
- Integrated LLM APIs (OpenAI, Qwen) into production pipelines, optimizing semantic search, automation, performance, CI/CD, debugging, testing, and agile feature delivery, boosting efficiency by 60%.

Python Full Stack Developer
Webbuggs (Your Cyber Space Existence Managers)

📅 August, 2023 – July, 2024

- Optimized backend performance with Python, Django, Flask, Docker, and CI/CD pipelines, reducing API response time by 40%, improving scalability, and delivering 20+ full-stack projects.
- Implemented secure authentication/authorization frameworks, high-performance microservices, and infrastructure improvements, enhancing data security by 60% and supporting enterprise-grade, production-ready systems.

TECHNICAL SKILLS

- **Programming and Backend:** Python, Django, FastAPI, Flask, RESTful API Design, Modern Software Development Practices, Error Handling, Debugging, Fallback Mechanisms
- **Front-end:** HTML, CSS, React
- **Databases:** PostgreSQL, SQLite, Redis, FAISS, Pinecone
- **Cloud DevOps:** GCP, Docker, CI/CD Pipelines, Monitoring, Logging, Alerting, Resource Optimization, Caching Strategies
- **AI Machine Learning:** OpenAI GPT, Qwen2, LangChain, Langgraph; Transformer Architectures, Embeddings, Attention Mechanisms, Training Pipelines, Model Evaluation, Versioning, Quantization, Performance Optimization, Experiment Tracking
- **NLP & LLM:** Fine-Tuning, RAG Pipelines, Prompt Engineering, Semantic Search, Real-Time AI Applications, LLM APIs
- **Async and Real Time:** Django Channels, Celery, WebSockets
- **Version Control:** Git, GitHub
- **Project Management Tools:** Jira, Trello

CERTIFICATIONS

- Complete AI Engineer Training: Python, NLP, Transformers, LLMs, LangChain, Hugging Face, APIs - Udemy
- Google Developer Club Technical Core Member - Google
- HTML CSS JAVASCRIPT For Web Developer - Coursera
- Solid Foundational HTML CSS JAVASCRIPT - Coursera
- Data Science Expert with Python Django - SimpliLearn
- Passed Turing Test For Web Developer (Django+python) -Turing
- Intermediate to Python -DataCamp
- Introduction to Python -DataCamp
- Introduction to Docker - DataCamp

EDUCATION

COMSATS University Islamabad, Pakistan

Bachelor of Science in Computer Science (Graduation)

📅 September, 2019 – August, 2023

LATEST PROJECTS

Chaingpt.org
python, blockchain, redis, cmc ,openai, beutifulsoup

📅 October, 2025 – Present

- Developed GCP-based microservices and LLM/ML-powered backend with data pipelines, vector DB Pinecone, transformer models, RESTful APIs, CI/CD, and responsible AI practices for real-time intelligent trading solutions.

AI Quran Learning App
python, django, gcp, redis, websockets

📅 October 2024 – January 2025

- Architected and scaled an AI-powered Quran learning app, reducing user-reported pronunciation errors by 75% using advanced signal processing and speech-to-text transcription on Google Cloud Platform.
- Optimized real-time verse highlighting with Django Channels, achieving 81.9% accuracy in audio-text synchronization.

3D OpenCascade Manufacturing Website
python, django, stripe

📅 May 2024 – June 2024

- Engineered secure APIs and automated workflows for the OpenCascade platform.
- Built 3D models of chips, mobile accessories, and engine components using geometric analysis.
- Launched a global product selection system, increasing order accuracy by 30% and revenue by 10%.

AI Hair Skin Care Recommender
django, openai api, python-barcode, python

📅 March 2025 – April 2025

- Built an AI-powered hair and skin analysis system with 92% prediction accuracy using OpenAI API for intelligent recommendations.
- Implemented Django backend and Python automation with barcode integration for 98% product compatibility and scalable, real-time inference.

The Health Dental Care
llm2, chatgpt-3.5, python, fastapi

📅 January, 2023 – January, 2023

- Leveraged an AI-driven dental care system using Generative AI, improving patient insights by 45%.
- Designed an AI tool for personalized responses, enhancing dental health understanding by 60%.

Custom Document Chatbot
python, langchain, ollama, fastapi, openai api

📅 Jan 2024 – May 2024

- Developed an LLM-powered chatbot capable of scraping and understanding content from MS Word and PDF documents using semantic search, embeddings, and RAG pipelines.
- Optimized backend with FastAPI and vector databases (Weaviate, Chroma) for scalable, real-time inference and production deployment.