

Muhammad Tahir

AI Engineer

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Professional Summary

AI Engineer with **2 years'** expertise in LLMs, multi-agent systems, and end-to-end AI product development. Built voice agents, RAG chatbots, and context-aware applications across health, retail, and agri-tech.

Education

B.Sc. Computer Science

2019 - 2023

Virtual University, Lahore

Professional Experience

Stechai

Nov 2023 - Present

Service-based company offering cutting-edge AI, ML, and data science solutions.

Associate Data Scientist ~ Onsite

- Boosted model accuracy by 15% and automated 65% of tasks by fine-tuning open-source ML/CV models, deploying real-time RAG chatbots with vector databases, and building context-aware AI systems LLM APIs.
- Scaled high-performance backend architectures using Django, FastAPI, and Streamlit, leading to a 50% increase in user traffic and 99.99% uptime across 20+ API endpoints, while containerizing deployments.
- Accelerated operational efficiency by over 40% by automating workflows with Zapier, Make.com, and enabling data-driven insights through SQL/NoSQL management, Neo4j graph processing, and real-time observability.
- Built and deployed intelligent AI agents and RAG-powered chatbots using LangChain, Autogen, and vector databases for real-time, context-aware interactions.

Projects

Nexora

- An AI-powered desktop automation tool that creates, types, and saves word-count-specific content effortlessly through natural language commands.

GeminiCode Auditor

- An AI-driven tool that evaluates code for functionality, accuracy, and security to enhance model reliability.

Formulai

- An AI-driven wellness platform that personalizes health insights and recommendations using DNA data for smarter, science-backed well-being.

Taxline AI

- An AI-powered invoice automation suite that extracts, enriches, and posts invoice data seamlessly to accounting systems with smart matching and modern dashboards.

AI Trainer

- Improved AI coding models by testing ML/DL solutions and comparing AI-generated code with human implementations.

Technical Skills

Programming & Development: Python, Django, FastAPI, Streamlit, RESTful APIs, SQL, Git, GitHub Actions, Jupyter, VS Code, Postman, Docker, Linux, Zapier, Make.com, Airtable, Notion, Technical Documentation.

AI, ML & Data Systems: Prompt Engineering, RAG, LangChain, LlamaIndex, LangGraph, LLM APIs, Multi-Agent Systems, Function Calling, Transformers, Hugging Face, PEFT/LoRA, Prompt Tuning, NLP (Sentiment Analysis, NER, Text Classification), CV (YOLOv8, Object Detection, Segmentation), XGBoost, Random Forest, SVM, KNN, Model Evaluation (F1, Accuracy, BLEU, ROUGE), Feature Engineering, EDA, Pandas, NumPy, Seaborn, Matplotlib, Plotly, PostgreSQL, MySQL, MongoDB, Neo4j, Qdrant, Pinecone, AWS, Chatbots, Custom Voice & Text based Agents, Autogen, CrewAI, Openai Agents, n8n Agents.

Languages: English, Urdu.

Certifications

Data Science Boot Camp Certificate – AtomCamp

- Gained expertise in data analysis, machine learning, data visualization, and AI, essential skills for the field.