Muhammad Faiz Raza

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PROFESSIONAL SUMMARY

- Experienced AI Engineer with around **2 year** of hands-on in Generative AI and Machine Learning, with a focus on leveraging **LLMs**, agent-based systems (**Agentic AI**), and efficient AI-driven solutions to accelerate business growth. I build complete **AI-integrated products**—from backend logic to frontend interfaces. Seeking roles as **Data Scientist**, **AI/ML Engineer** or **Consultant** to contribute to impactful, **AI data-driven solutions**.

CERTIFICATIONS

- IBM Data Science ↗, Oracle Gen AI Professional ↗, NVIDIA Deep Learning Institute ↗, Machine Learning Specialization ↗, AI Agentic Design Patterns with AG2 ↗, Prompt Design in Vertex AI ↗

TECHNICAL SKILLS

OS & Frameworks: Linux (Ubuntu), FastAPI, Flask, RESTAPI, GraphQL
Programming Languages: Python, SQL, C, HTML, CSS, [React, Next.js, Tailwind](Vibe Coding)
AI/ML Libraries: Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn, Plotly
DevOps/MLOps: Git, Docker, CI/CD Pipelines, Jenkins, MLFlow, AWS, RoboFlow, Terraform, Snowflake
Machine Learning & Statistics: XGBoost, Clustering, Classification, Regression, PCA, StatsModels
Generative & Agentic AI: LLMs, Ollama, CrewAI, LangGraph, AutoGen, LangChain, Langsmith, RAG, Prompt Engineering, MCP, Function Calling
Soft Skills: Analytical Thinking , Problem-solving , Communication Skills, Self-discipline, Brainstorming Ideas

EXPERIENCE

AI/ML Engineer   *2025 – Present*
SkyElectric

- Lead developer of **SkyChat**, an AI Assistant for internal teams, customers, and public users at **SkyElectric**.
- Integrated with **SkyElectric's databases** for intelligent insights, analytics, and support using **LangChain** and **GraphQL**.
- Built end-to-end as a solo developer: frontend in **Next.js**, backend in **FastAPI**, deployed on **AWS**.

AI/ML Engineer   *2024 – 2025*
Dataropes.ai

- Fine-tuned **LLaMA2** to convert natural language into structured **YAML** configurations with high accuracy.
- Engineered an **e-commerce** platform for one-click chatbot creation, ensuring quick and **hassle-free** setup.
- Designed and optimized **agentic workflows**, improving agent performance and **reducing** operational costs by **40%** through strategic flow management.

RESEARCH & PROJECTS

Python SDK (mcp-clients) | *Python, MCP, Gemini, Asyncio, OpenAI*

- Developed **mcp-clients**, a Python sdk that simplifies the creation and integration of MCP clients with MCP servers for use in applications, workflows, and tools.

AI Speech Delay Detection | *LSTM, CNN, CRNN*

- Trained LSTM, CRNN & CNN models on labeled school speech data to classify speech patterns by age group with **80%+ accuracy**. Built an app, integrated with AI agent for instant diagnosis and feedback.

HONORS & AWARDS

- Secured **1st Place** in the **AI** Bootcamp at **GIKI**, awarded by Ashar Aziz, chairman of **Sky Electric**.
- Achieved **2nd Place** in the Simulink Control Design Contest at **SEECON'23**, awarded by the **Director** of IEECE, PU.

EDUCATION

University of the Punjab   *2020 – 2024*
BSc in Computer Engineering

- **Relevant Courses:** Computer Fundamentals, Calculus & Analytic Geometry, Object Oriented Programming, Computer Communication Networks