# Muhammad Faiz Raza

☑ faiz.raza.dec@gmail.com ◎ +92 3327422241 **⊕** Portfolio **in** faizrazadec **⊙** faizrazadec **⊕** AI Assistant

## PROFESSIONAL SUMMARY

• Experienced AI Engineer with ~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 Python Developer to contribute to impactful solutions.

#### CERTIFICATIONS

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

#### TECHNICAL SKILLS

Programming Languages: Python, SQL, C/C++ Databases: PostgreSQL, Elasticsearch, Redis, SQLite

OS & Web Frameworks: Linux (Ubuntu), FastAPI, Flask, REST API, GraphQL AI/ML Libraries: Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn, Plotly DevOps/MLOps: Git, Docker, CI/CD Pipelines, Jenkins, MLflow, AWS, Snowflake, GCP

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

Sky Electric

- Integrated seamlessly into WhatsApp for Pakistan users and LINE for Japan users.
- Integrated with SkyElectric's databases for intelligent insights, analytics, and support.
- Lead developer of SkyChat, an AI Assistant for internal teams, customers, and public users.

#### Associate Consultant AI

2024 - 2024

Dataropes.ai

- Fine-tuned LLaMA2 to generate structured YAML configurations with 84% accuracy.
- Optimized agentic workflows, improving agent performance and reducing operational costs by 40%.
- Engineered an **e-commerce** platform for one-click chatbot creation, ensuring quick and **hassle-free** setup.

## RESEARCH & PROJECTS

### 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.

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.

## Honors & Awards

- Secured 1st Place in the AI Bootcamp at GIKI, awarded by chairman of SkyElectric.
- Achieved 2nd Place in the Simulink Control Design Contest at SEECON'23 (IEECE, PU).

#### EDUCATION

#### University of the Punjab

2020 - 2024

BSc in Electrical Engineering

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