

# MUZAMMAL HUSSAIN

## Generative & Agentic AI Developer

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### PROFILE:

Aspiring AI Specialist with hands-on training in **Generative AI, Agentic AI, and NLP**. Skilled in **Python, ML/DL frameworks, LangChain, Hugging Face, and Streamlit**, with projects in machine learning, data visualization, and NLP applications. Passionate about developing autonomous AI agents, containerized solutions, and applying AI for real-world innovation and community impact.

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### SKILLS:

Python | ML/DL (ANN, RNN, Transformers) | NLP | Generative & Agentic AI (LangChain, Hugging Face, RAG, CrewAI) | Streamlit | Data Visualization | SQL | Excel | GitHub

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### PROJECTS:

- Iris Flower Classifier (Python, Streamlit) ML classification app.
  - Weather Forecasting App (Streamlit + API) Real-time weather dashboard.
  - Data Visualization Dashboard (Python, Pandas, Matplotlib) Analytical insights from datasets.
  - NLP Text Summarizer & Sentiment Analyzer Transformer-based NLP models.
  - CrewAI Multi-Agent Prototype (Ongoing) Autonomous AI agents for task automation.
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### PROFESSIONAL EXPERIENCE:

#### AI Intern – Nexus AI Digital (Virtual Experience Program)

Sept 2025 – Oct 2025

- Selected for **NLP Track** in a global internship program.
- Gained hands-on mentorship, worked on NLP tasks, and contributed to collaborative projects.

Self-Projects(Ongoing)

Present

- Developing **autonomous AI prototypes** using CrewAI and LangChain.
  - Building **interactive dashboards** with Python & Streamlit.
  - Experimenting with **multi-agent systems** for task automation.
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EDUCATION:

- **Diploma of Associate Engineering (DAE) | Auto & Farm Mechanical Technology | Govt. College of Technology, Faisalabad**  
*2022 – 2025 (Final Year)*
  - **Specialized AI Training | Generative & Agentic AI, NLP, LLMs (More Topics) | Tecrix Innovation Hub**  
*2025 (Ongoing)*
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ADDITIONAL INFORMATION:

**Languages:** Urdu (Native), English (Intermediate)