

# Muhammad Zain Faisal

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[LinkedIn](#) | [Portfolio](#)

## Professional Summary

AI/ML Engineer with expertise in **Generative AI, NLP, and machine learning systems**. Skilled in **Python, LangChain, and TensorFlow**, with a record of delivering projects that **improve model performance, automate workflows, and generate insights**. Strong academic foundation with published AI research and industry-recognized certifications.

## Skills

**Programming & Tools:** Python, C++, SQL, LangChain, TensorFlow, Scikit-learn, Pandas, NumPy, Power BI, Excel, N8N AI Tool

**AI/ML:** Generative AI, NLP, Deep Learning, Computer Vision, Recommendation Systems

**Data:** EDA, Data Visualization (Power BI, Matplotlib, Seaborn)

**Other:** DSA, OOP

## Experience

**Data Analyst Intern** | Lotte Akhtar Beverages (Pvt) Ltd | Lahore | 07/2025 – 08/2025

- Automated sales reporting via Power BI dashboards, reducing manual reporting time by **30%**.
- Conducted EDA on retail datasets, identifying seasonal demand trends to support distribution strategies.
- Optimized workflows in Excel and Power BI, improving reporting accuracy and decision-making speed.

## Applied AI/ML Experience

[Sumlyzer](#) – NLP-based PDF Summarizer built with LangChain + DeepSeek APIs, reducing document review time.

[RAG Chatbot](#) – Enhanced generative outputs using LangChain, FAISS, and OpenAI API for context-aware responses.

[Movie Recommendation System](#) – Designed hybrid recommendation engine, achieving strong performance on the MovieLens dataset.

## Key Achievements

- Improved NLP model accuracy through hyperparameter tuning and feature engineering.
- Authored 3 technical articles on Generative AI and NLP, issued on Medium.

## Education

**B.Sc. in Computer Science** – NCBA&E, Lahore | GPA: **3.64 / 4.00**

## Certifications

- Microsoft Certified: Azure AI Fundamentals
- Coursera: Supervised Machine Learning – Andrew Ng
- Artificial Intelligence Program – Corvit Lahore
- Google Soft Skills Program