

MAHAD MUAZ

AI Engineer | AI Enthusiast | Prompt Engineer

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TECH STACK

- **Programming Languages:**
 - Python, Java, C++, Javascript, C Sharp
- **AI/Machine Learning:**
 - Neural Networks
 - NLP
 - LLMs concepts
 - Prompt Design
 - Data Analysis for AI
- **Concepts:**
 - Robotics
 - ML
 - AI Principles
 - Data Preprocessing
 - Model Training
 - Performance Evaluation
 - Feature Engineering
 - Model Development
 - RAG
 - CrewAI
 - AgenticAI
 - LLangGraph
 - N8N
- **Tools & Platforms:**
 - GitHub
 - LaTeX
 - Overleaf
 - LyX
 - CursorAI
 - Pydantic
 - Pytorch
 - Numpy
 - Panda
 - matplotlib
 - RAG pipelines:
 - Docling
 - Ollama
 - LangChain
 - AnythingLLM
 - Docker
- **Soft Skills:** Problem-Solving, Critical Thinking, Adaptability, Communication, Time Management

ABOUT ME

Highly motivated and results-driven individual with foundational knowledge in **Artificial Intelligence and Machine Learning** principles, including **Large Language Models (LLMs)**, **Natural Language Processing (NLP)**, **Retrieval-Augmented Generation (RAG) pipelines**, and **agentic systems**. Eager to apply expertise in **Python** to assist in the development and implementation of **machine learning models and algorithms**. Proven **problem-solver** with strong **analytical skills**, committed to continuous learning and contributing to **dynamic tech environments**.

CERTIFICATIONS

Coursera | [Neural Networks and Deep Learning](#)

DeepLearning.AI | [ChatGPT Prompt Engineering for Developers](#)

DeepLearning.AI | [LangChain for LLM Application Development](#)

DeepLearning.AI | [Open Source Models with Hugging Face](#)

DeepLearning.AI | [ACP: Agent Communication Protocol](#)

DeepLearning.AI | [Multi AI Agent Systems with crewAI](#)

EDUCATION

BSCS | [Ibadat International University](#)

Islamabad, Pakistan

CGPA: 3.37

ICS | [PBF Boys College](#)

2020 – 2022

Islamabad, Pakistan

O levels | [OPF Boys College](#)

2016 – 2019

Islamabad, Pakistan

FREELANCING PROJECTS

ChatBot |

📅 May 2025 - July 2025

- Architected and implemented a Retrieval-Augmented Generation (RAG) chatbot using **Docling** for document parsing, **LangChain** and **ChromaDB** for building a vector database, and **OpenAI** for natural language generation.
- Demonstrated proficiency in key AI pipeline components, including data ingestion from complex PDFs, creating and querying vector embeddings for semantic search, and integrating Large Language Models (LLMs) to provide document-grounded, accurate responses.

News Website |

📅 Apr 2024 - July 2024

- Developed a dynamic news website using **HTML**, **Python**, and **Django**, focusing on responsive design and efficient content delivery.
- Implemented features for content categorization and user interaction, showcasing full-stack capabilities.

Blog Publishing Website |

📅 Jan 2024 - Mar 2024

- Created a complete blog publishing platform utilizing **HTML**, **CSS**, **Python**, and **Django**.
- Managed user authentication, content creation, and database integration to provide a seamless blogging experience.

Message Board |

📅 Oct 2023 - Dec 2023

- Built an interactive message board application with **HTML**, **Python**, and **Django**, enabling real-time communication.
- Designed and implemented database schemas for efficient message storage and retrieval.

"Burning Flames" Restaurant Website |

📅 Aug 2023 - Sep 2023

- Developed a visually appealing restaurant website using **HTML** and **CSS**, showcasing menu and online presence.
- Ensured cross-browser compatibility and user-friendly navigation.

ToDoList |

📅 March 2023 - July 2023

- Developed a basic application using **Java** and **Mysql** which allowed to store a list of workings for a specific day.
- Made it user-friendly visually so that it can be understood by anyone.

Self Project: Building and Programming Robots |

📅 Jan 2020 - Dec 2022

- Built robots using **Lego Mindstorms kit** with simple usages.
 - Programmed them using the same kit software which allowed them to do the intended tasks.
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