



HAMMAD MUNIR

AI Developer

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A Computer Science graduate passionate about Data Science and Artificial Intelligence. I've built multiple hands-on projects leveraging machine learning techniques. I'm now eager to apply my skills in a real-world environment, grow through practical experience, and contribute to innovative, tech-driven solutions.

PROJECTS

MindMate:Agentic AI platform for Mental health

July 2025

- Designed and implemented a multi-agent mental health preliminary assessment pipeline leveraging large language models (LLMs).
- Developed and integrated Diagnosis & Specialists Matching Agents.
- Delivered a dockerized prototype supporting structured, AI-assisted mental health evaluations.
 - Tech. stack : Python, LangChain, FastAPI

ML-Based Dysarthria Severity Detection

September 2024

- Developed a machine learning system to classify speech as normal or abnormal, aiding early diagnosis of voice disorders.
- Extracted speech embeddings using Wav2Vec2 and engineered audio features with Librosa for robust representation.
- Trained ML models to deliver reliable predictions supporting clinical assessment.
- Tech: Python, HuggingFace Transformers, Librosa, TensorFlow, Scikit-learn

BookMate – RAG-based Agentic Document Explorer (ReAct Agent)

December 2024

- Developed an agentic LLM system to let users search, query, and interact with documents (PDF, DOCX, TXT).
- Implemented a ReAct (Reasoning + Acting) agent that dynamically decided when to call ChromaDB for retrieval or ScraperAPI for live search.
- Designed a Retrieval-Augmented Generation (RAG) pipeline with embedding-based retrieval using sentence-transformers/all-MiniLM-L6-v2.
- Delivered an interactive exploration assistant capable of combining document knowledge with external sources.
- Tech stack: Python, Langgraph, ChromaDB, Groq, ScraperAPI, Sentence-Transformers (all-MiniLM-L6-v2)
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EDUCATION

Sep 2021 - August 2025

International Islamic University Islamabad (IIUI) - BS Computer Science

- Relevant Coursework:** Linear Algebra | Intro to Database Systems | Artificial Intelligence

CERTIFICATIONS

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|--------------------------------------|------------------|--|----------|
| Data ,Data Everywhere | - Google | | Sep 2023 |
| AI(Machine Learning & Deep Learning) | -NAVTTTC | | Dec 2024 |
| Introduction to Generative AI | -DeepLearning.AI | | Jan 2025 |