

Ibrahim Hussain

Islamabad 45900, Pakistan • ibrahimbeaconarion@gmail.com • (92) 314-7838984 • [Linkedln](#)

Education

FAST UNIVERSITY

Bachelor of Science in Data Science

Islamabad, Pakistan

September 2023 – Present

Relevant Coursework: Data Analysis and NLP, Data Structures, Databases, Introduction to Data Science, Software Engineering, Operating Systems, Advanced Statistics, Linear Algebra, DevOps.

THE SCIENCE SCHOOL

General Certificate of Education – Advanced Level (GCE A-Level)

Islamabad, Pakistan

June 2023

Subjects: Mathematics, Physics, Computer Science

Experience

SMARTFORUM

AI Engineer Intern

June – August 2025

- Applied NLP concepts and used Pinecone and PostgreSQL to optimize LLM performance, improving response accuracy and reducing retrieval latency for faster, more efficient AI-driven applications.
- Developed modular AI agents using LangChain, LangGraph and Hugging Face, streamlining workflow automation, and integrated ASR with multi-model orchestration to enhance real-time interaction capabilities.

Projects & Technical Experience

GENRE DETECTION MODEL

ML Developer

May 2025 - Present

- Developed a multi-label NLP pipeline to classify movie plot summaries into multiple genres using transformer-based embeddings and multi-class classifier architecture.
- Engineered robust text preprocessing, feature extraction and model evaluation using metrics like F1-score and multi-label accuracy.

CINEMAGO WEB APP

Frontend & Backend Developer

February 2025 – Present

- Designed and deployed a movie discovery website using HTML, CSS, JavaScript, Flask.
 - Implemented search, user login, and recommendation algorithm.
- <https://cinemago-2u2f.onrender.com>

NETWORK EMULATOR IN C++

Lead Programmer

May 2025

- Engineered a simulation tool to model computer network behaviour, including packet flow and latency.
- Devised socket-like logic and modular architecture to emulate multiple nodes.

Technical Skills

Programming Languages: Python, C++, LaTeX.

AI: NLP, Hugging Face Transformers, LangChain, LangGraph, LangSmith, Agentic AI.

Databases: PostgreSQL, SQLite, Vector Databases (Pinecone).

Operating Systems: Windows, and Linux.

Version Control & Hosting: Git, GitHub – github.com/ib-hussain

Interests

Language: English (Fluent), Urdu (Native), Italian (Basic).

Interests: Analytics Enthusiast, Tech Leadership, Team Collaboration, Digital Marketing, Full-Stack Development, Graphic Design, Video Editing, Web Development, UI/UX Design, Game Development.