

Ibrahim Hussain

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Education

FAST UNIVERSITY

BS Data Science. GPA: 2.16

Relevant Coursework: Data Analysis and NLP

Islamabad, Pakistan
September 2023 – Present

THE SCIENCE SCHOOL

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

Grades: B, B, C

Islamabad, Pakistan
June 2023

Experience

SMARTFORUM

AI Engineer

June – August 2025

- Explored and applied foundational NLP concepts while working with LLMs, and vector databases.
- Built modular AI agents using LangChain and Hugging Face; integrated automatic speech recognition and multi-model orchestration.

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, Agentic AI.

Databases: PostgreSQL, Vector Databases

Operating Systems: Windows, and Linux.

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

Interests

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

Interests: Graphic Design, Video Editing, Web Development, UI/UX Design, Game Development.