





Muhammad Talha

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EDUCATION

Habib University
B.S. Computer Science

September 2020 - June 2024

Alpha College
A-Levels

September 2018 - August 2020

EXPERIENCE

QLU | *Software Developer (Full Stack: TypeScript/Node.js/Next.js/Express)*

June 2024 – October 2024

- Implemented a custom search algorithm using Cassandra on an at-rest encrypted database, ensuring security and efficiency.
- Singlehandedly deployed attachment functionality, managing the complete development lifecycle for front-end and back-end integration.
- Collaborated with design and product teams to create user-centric applications adhering to design principles and user flow requirements.

PERSONAL PROJECTS

Yohsin Connect | *Python, LangChain, FAISS, PyTorch, TensorFlow*

2024

- Developed a Retrieval Augmented Generation (RAG) chatbot to provide instant responses to inquiries from prospective students at Habib University.
- Integrated advanced LLM models using TensorFlow and PyTorch to understand and generate human-like responses.
- Utilized LangChain for streamlined implementation of chat functionalities and FAISS for efficient information retrieval from a large vector database/store of university related documents.

SKILLS

Languages: C/C++, Python, JavaScript, HTML/CSS, CUDA, SQL, LaTeX

Tools: Git/GitHub, Bash, Yaml, Docker, FASTAPI