Muhammad Talha

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EDUCATION

Habib University 2020 - 2024
Bachelors of Computer Science

Alpha College 2018 - 2020
Advanced Level GCSE

SKILLS

Languages: Python, JavaScript, C++, SQL

Tools: Docker, PostgreSQL, Git, AWS, Kubernetes

EXPERIENCE

Acme Corp |*Full Stack Engineer (NodeJs/Express/React/Typescript)* January 2022 — Current

- Developed scalable web applications

- Collaborated with cross-functional teams

- Implemented RESTful APIs

Tech Innovators Inc. |*Software Engineer (Python/Django/PostgreSQL/Docker)* June 2020 — December 2021

- Designed and developed RESTful APIs using Django

- Optimized database queries for better performance

- Deployed applications using Docker and Kubernetes

PROJECTS

Yohsin Connect | *(Python/LangChain/FAISS/PyTorch/TensorFlow)* 2024 — Current

- 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.

Personal Home Lab and Smart Home Setup | *(YAML/Python/Docker)* Ongoing — Current

- Configured diverse services: Jellyfin, Home Assistant, Transmission Daemon with public access.

- Managed Docker containers for efficient deployment.

BomberMan Clone | *(C++/SDL2/Sprite Animations/Polymorphism)* December 2021 — Current

- Recreated the famous Bomberman game in C++ using SDL2, including sprite animations and custom game mechanics.

- Implemented OOP design patterns and polymorphism.