

MUHAMMAD TALHA

Full Stack AI Engineer | LLM & Agentic AI Engineer | .NET Full Stack Developer

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PROFESSIONAL SUMMARY

Full Stack AI Engineer and Software Engineering student passionate about building AI-powered applications and scalable web solutions. Skilled in LangChain, LangGraph, CrewAI, FastAPI, React, .NET, Node.js, SQL, and Docker, with expertise in LLMs, RAG, prompt engineering, vector databases, and RESTful API development. Seeking opportunities as a Full Stack AI Engineer, LLM Engineer, or .NET Full Stack Developer.

TECHNICAL SKILLS

AI & LLM Engineering: Agentic AI, Machine Learning, Deep Learning, Large Language Models (LLMs), Prompt Engineering, LLM Evaluation, Retrieval-Augmented Generation (RAG), AI Automation, LangChain, LangGraph, CrewAI, LangSmith, Vector Databases

Languages: Python, C#, JavaScript, C++, C, Kotlin

Backend: FastAPI, Pydantic, ASP.NET Core, ASP.NET, REST APIs, Microservices

Frontend: React, HTML5, CSS3, JavaScript, Tailwind CSS, Bootstrap, Streamlit

Databases: SQL Server, MySQL

DevOps & Cloud: Docker, Git, GitHub, MLOps

Automation & Design Tools: n8n, Make.com, Zapier, Figma, Canva

PROFESSIONAL EXPERIENCE

Cloud & System Administration Intern — Xavor Corporation Jun – Aug 2023

- Gained hands-on exposure to cloud infrastructure operations, including system reliability practices, monitoring workflows, and production environment management.
- Assisted in exploring CI/CD pipeline concepts, server provisioning, and troubleshooting processes within a cloud environment setup.
- Studied OWASP security best practices and system performance optimization techniques, and contributed to internal documentation to support team knowledge-sharing.

EDUCATION

B.Sc. Software Engineering — Punjab University College of Information Technology (PUCIT), Lahore, Pakistan 2023 – 2027

Fsc. Pre-Engineering — Punjab Group of Colleges, Sahiwal, Pakistan 2021 – 2023

PROJECTS

SkillNavigator AI — AI Career Intelligence Platform — (Final Year Project)

- Architected a multi-agent AI career intelligence platform combining an AI Skill-to-Income Agent and an AI Academic-to-Industry Gap Analyzer into a unified system for personalized career guidance.
- Designed multi-agent workflows using LangGraph and CrewAI to orchestrate curriculum analysis, resume analysis, skill-gap detection, and career recommendations.
- Built RESTful APIs with FastAPI and an interactive React dashboard, integrating an LLM-powered chatbot for conversational career insights.

QuickFood — Food Delivery Web App — .NET MVC, C#, SQL Server [Live Site](#)

- Architected a full-stack food delivery platform featuring restaurant listings, dynamic cart management, real-time order tracking, and secure role-based authentication for admins and customers.
- Designed a normalized SQL Server schema, implemented RESTful controller actions, integrated session management, and deployed live on IIS with environment-based configuration.

Trendora — E-Commerce Clothing Platform — .NET MVC, C#, SQL Server [Live Site](#)

- Built an end-to-end e-commerce platform with product catalog, shopping cart, order management, and user authentication, deployed live via IIS Manager.
- Optimized SQL Server performance through indexing and server-side caching, reducing page load times and improving scalability under concurrent user load.

Library & School Management Systems — Node.js, Express.js, MySQL

- Developed two Node.js/Express backend systems: a library application for cataloging and loan tracking, and a school management system for student records, attendance, and grade reporting.
- Built RESTful APIs with full CRUD support, structured normalized MySQL schemas, and enforced data integrity with validation middleware.

TutorHub — Online Tutor Booking Platform — React, .NET, SQL Server

- Architected a full-stack tutor booking platform enabling students and parents to discover tutors, schedule sessions, manage bookings, and communicate through a real-time chat interface with AI-powered assistant to help students and parent.
- Developed a modern React frontend and a scalable .NET Web API backend with secure JWT-based authentication, role-based authorization, and SQL Server integration.