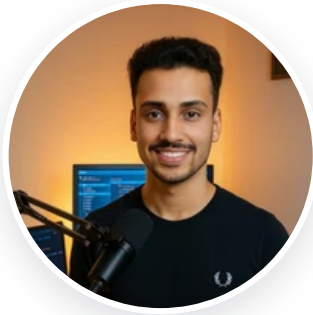


Talha Umar



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+ Hugging Face 🌐 X

Summary

🔗 AI Engineer and Software Engineering student with a strong foundation in front-end development, 3D web technologies, and advanced AI/LLM integration. I build real-world applications using React, Three.js, and various JavaScript frameworks.

🔗 My expertise lies in Generative AI and Agentic AI, where I've experimented with over 20 Frontier and Open-Source models, leveraging HuggingFace, LangChain, LangGraph, and Gradio. I specialize in RAG implementation, QLoRA fine-tuning, and developing autonomous multi-modal AI agents using CrewAI and advanced orchestration frameworks.

Technical Skills

HTML5 CSS Tailwind CSS Bootstrap JavaScript React Next.js Three.js React Three Fiber

GLSL Blender (3D modeling & optimization) Git GitHub TypeScript (familiar)

Backend (MongoDB, Appwrite) Physics engines: React Three Rapier Cannon.js Python Generative AI

Agentic AI CrewAI OpenAI SDKs LangGraph LangChain LangSmith MCP (Model Control Protocol)

Frontier and Open-Source AI models HuggingFace Gradio RAG (Retrieval-Augmented Generation) QLoRA

Model Training Fine-tuning AI Agents Autonomous Workflows Vector Embeddings Vector Datastores

Model Optimization C++ Optimization Autonomous Multi-agent Systems

Education

BS in Software Engineering

Government College University Faisalabad (GCUF), 2024 – 2028
Current CGPA: 3.4 (2nd Semester)

Intermediate (FSc Pre-Engineering): 900 / 1100
Matriculation: 962 / 1100

Certificates

- LLM Engineering by Ed Donner: **Certificate**
- Agentic AI by Ed Donner: **Certificate**
- Web Development by Hitesh Chaudary: **Certificate**
- Three.js by Da Pang: **Certificate**

Projects

Web Projects

- A 3D Game with Three.js and Blender
- Blob Mixer - Creative agency website clone using Three.js and GLSL.
- Devebco - A Frontend Experience with Three.js and GLSL
- Zajno Clone – Creative agency website clone using Three.js and GLSL.

AI Projects

- Python Docstring and Unit Test Generator (OpenAI-powered program)
- Summarize Website (OpenAI-powered program)
- Mental Health Chatbot (RAG system with OpenAI)
- Pakistani Law RAG (RAG system with OpenAI)
- AI Agent that Copies My Accent (OpenAI SDK)
- AI Agent - Real-time Job Search, Free Courses & Skills Comparison
- AI Customer Support Agent (RAG System)
- Multi-tool AI Agent (LangGraph, LangSmith, LangChain) - Playwright, Serper, Pushover, Calendar Integration
- AI Agent - PowerShell Commands & React Code Generator (Crew AI)

Languages

- Urdu (Native)
- English (Fluent)