

Huzaifa Subhani

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Skills

AI & LLM Systems: LangChain, LangGraph, RAG, Agentic AI, Tool-based Agents, MCP

ML & Data: TensorFlow, Scikit-Learn, LSTM, XGBoost

Backend: FastAPI, Django, REST APIs, WebSockets, WebRTC

Libraries: Pandas, NumPy, Matplotlib, Streamlit, Seaborn, Polar

Languages: Python, JavaScript, SQL

Database: PostgreSQL, PgVector, ChromaDB

Cloud & DevOps: Azure, CI/CD, Heroku

Tools: Git, GitHub, Docker

Education

University of Karachi, BS in Software Engineering

2022 – 2025

Experience

AI Engineer, Dakar Software – Malta, Remote

Jan 2026 – Present

- Architecting an **Agentic** AI-powered HR automation engine.
- Developing AI agents capable of shortlisting candidates via **NLP**.
- Implementing resume parsing and skill matching using **embeddings**.
- Building **multi-step** reasoning workflows using **LangChain** and **LangGraph**.

AI Engineer, Ashtools – Dubai, Remote

July 2025 – Oct 2025

- Enhanced an internal **RAG-based framework** for building scalable chatbots.
- Developed **custom chatbots** for diverse business use-cases.
- Optimized retrieval pipelines to boost **framework efficiency and response quality**.
- Expanded framework features to improve **capabilities and developer experience**.

Associate ML Engineer, GuruGroup – Karachi, Pakistan

Oct 2024 – June 2025

- Built **predictive financial models** using Altman Z-score and GMM for risk assessment.
- Developed a **machine learning-driven trading bot** for automated high-frequency trading.
- Engineered an ensemble learning pipeline by combining **LSTM and XGBoost** to improve accuracy.
- Led a team of interns, overseeing **ML model development and backend optimizations**.

Frontend Web Developer, CocoPixel – Karachi, Remote

June 2022 – Sept 2024

- Developed **responsive UIs** and optimized performance for web applications.
- Integrated **CMS platforms** like WordPress and Shopify for content and e-commerce.
- Improved a **Shopify store's conversion rate by 8%** through feature enhancements.
- Collaborated with cross-functional teams to **implement new UI/UX improvements**.

Projects

AI-Powered Mentorship Platform | Python, FastApi, Nextjs, CassandraDB, Agora SDK

- Developed a full-stack mentorship platform with real-time messaging (WebSockets).
- Built session booking and automated scheduling system.
- Designed scalable backend APIs using FastAPI and PostgreSQL.
- Implemented authentication and role-based access control.

Early Autism Detector | Python, FastApi, Nextjs, CassandraDB

- Designed a prototype for an Early Autism Detection system based on behavioral indicators.
- Developed a structured questionnaire to assess autism risk based on predefined diagnostic criteria.
- Built a user-friendly interface for inputting responses and generating preliminary assessments.
- Laid the foundation for future ML integration, enabling data collection for model training.

Research Catalyst | Python, Streamlit, Gemini Pro

- Developed an AI-powered research assistant with a Streamlit frontend and Python backend.
- Enhanced accessibility by adding text-to-audio conversion of extracted information.
- Developed a document-specific Q&A chatbot using Retrieval-Augmented Generation (RAG).
- Integrated Large Language Models (LLMs), specifically Gemini, for automated summarization and key point extraction.

Video Streaming Application | Django, Agora Video Web SDK

- Developed a real-time video calling application using Django for backend and Agora Video Web SDK.
- Designed dynamic user interfaces with JavaScript to allow users to create and join rooms for video calls.
- Integrated Agora Video Web SDK to enable low-latency, high-quality video communication between users.
- Enhanced the user experience with responsive design and real-time notifications for call events.

Certifications

- Advanced Learning Algorithms
- Supervised Machine Learning: Regression and Classification
- Working with the OpenAI API
- Data Manipulation with pandas