

Hasnain Zainulabdin

Software Engineer | AI & ML Engineer | Python Backend Developer | Data Scientist
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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Software Engineer & AI/ML Developer with a Bachelor's in Software Engineering and hands-on experience building intelligent systems. Skilled in Python, FastAPI, and AI & machine learning — with projects including an AI-powered resume screening API and a RAG-based legal advisory chatbot "QanoonDaan". Currently seeking a remote/on-site AI/ML or backend engineering role where I can turn data into real-world impact.

SKILLS

Languages & Frameworks: Python · FastAPI · HTML · CSS · JavaScript

AI / ML: Machine Learning · Deep Learning · RAG · LLMs · AI integration · Agentic AI · Prompt Engineering · Data Science · Data Visualization

Tools & Platforms: Git · Docker · VS Code · Google Colab · Hugging Face

Languages: Urdu (Native) · English (Fluent)

EXPERIENCE

Freelance Python Developer

Aug 2023 – Present

Self-Employed | Hyderabad, Pakistan

- Developed and delivered custom Python-based solutions for local clients, including automation scripts, data processing tools, and backend utilities.
- Managed full project lifecycles independently — from requirements gathering to deployment — while maintaining consistent client communication and on-time delivery.

PROJECTS

ShariahEase

May 2026

Full-Stack Islamic Finance AI Web App

A comprehensive Islamic finance platform featuring an AI chatbot, Zakat calculator, halal stock screener, Mudarabah simulator, and WhatsApp bot integration. Built with a focus on Shariah compliance and accessibility.

Tech: Python · FastAPI · Jinja2 · Tailwind CSS · Alpine.js · SQLite · Groq API · FAISS · Sentence-Transformers · WhatsApp Cloud API

> *Coming soon... In final stages.*

QanoonDaan

Apr 2026

Pakistani Legal Advisory Chatbot

A RAG-based legal chatbot providing accessible Pakistani law guidance using official legal sources.

Tech: Python · FastAPI · FAISS · Sentence-Transformers · Groq API (Llama3-70b) · Jinja2

> <https://huggingface.co/spaces/SayyedHasnain/QanoonDaan>

ResuFit

Mar 2026

AI-Powered Resume Screening API

An intelligent resume screening system that parses and ranks candidates based on job descriptions using NLP.

Tech: Python · FastAPI · spaCy · Scikit-learn · Docker · Hugging Face

> <https://huggingface.co/spaces/Sayyed-Hasnain/ResuFit>

Simple Social Media Application

Jan 2026

Full-Stack CRUD Social Platform

A full-stack social media application that performs complete CRUD operations — create, read, update, and delete posts and user interactions.

Tech: Python, FastAPI

EDUCATION

Bachelor of Science in Software Engineering

2022 – 2026

University of Sindh, Jamshoro

Diploma in AI and Data Science

May 2025 – June 2026

Saylani Mass IT Program (SMIT)