

Arham Affan

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Objective

Motivated **AI Developer** with hands-on experience in Generative AI, NLP and machine learning. Seeking to contribute to impactful projects and deepen expertise in deep learning and neural architectures.

Education

BS in Computer Science

FAST National University

Aug 2022 – Aug 2026

- GPA: 3.45/4.0

Honors and Awards: 3 Dean's List of Honors

Experience

AI Intern

Cialfo Pte Ltd

Karachi, Pakistan

Sep 2025 – Mar 2026

- Enhanced Cialfo's **AI** chatbot using **LangGraph** to enable agentic workflows and multi-step reasoning.
- Built an **AI** job-matching system using LLMs to structure and map job descriptions to candidates.

SWE Intern

Lambda Theta

Karachi, Pakistan

June 2025 – Aug 2025

- Worked on computer vision tasks including image classification and model evaluation using Python-based **AI** frameworks.
- Configured and maintained GitLab Runner to automate **CI/CD** pipelines for internal projects.

AI Developer Intern

HNH SOFT TECH SOLUTIONS PVT (LTD)

Karachi, Pakistan

June 2024 – Oct 2024

- Implemented **vector embeddings** and **similarity search** algorithms using FAISS, improving chatbot accuracy by 32%.
- Developed crypto-market prediction system with **LangChain agents** and **time-series analysis**.

Skills

Programming Languages: Python, C, C++, JavaScript, Java, Assembly x86

Frameworks & Libraries: FastAPI, Langchain, Langraph, NumPy, Pandas, n8n, Next.js, Node.js, Tailwind CSS

Database Management Systems: MySQL, MongoDB, SQLite

Technologies & Tools: Git & GitHub, Linux (Terminal Commands, Bash/Shell), Machine Learning, Generative AI

Projects

Crypto Bot Analyzer

[GitHub](#)

- Developed an **AI**-powered cryptocurrency analysis tool using Crew AI in **Python**, integrating agents, tasks, and tools into a unified system.
- Developed multi-agent system for crypto analysis using **LangChain** and **time-series forecasting**.
- Tools Used: Python, LangChain, Generative AI

Aura – AI-Powered SaaS Website Builder

[GitHub](#) [Website](#)

- Built a full-stack **AI** SaaS platform that generates and deploys web apps using **OpenAI agents** and secure sandboxes.
- Enabled live code editing, agent-driven refactoring, user auth, billing, and one-click deployment in a seamless flow
- Tools Used: Next.js, React, Tailwind CSS, Prisma, PostgreSQL (Neon), tRPC, Inngest, E2B, OpenAI, Docker, Clerk

FAISS OpenAI Chatbot

[GitHub](#)

- Developed an intelligent chatbot leveraging **FAISS** vector database and **OpenAI** embeddings, implementing efficient similarity search for context-aware interactions.
- Tools Used: Python, FAISS, OpenAI API

JobMate AI – Smart Job Assistant

[GitHub](#)

- Developed a extension that uses **AI** to analyze LinkedIn job descriptions and match them with user-uploaded resumes.
- Implements a smart scoring system to compute **resume-to-job fit** and detect overlapping skills to guide user decisions.
- Tools Used: Python, Gemini API, LLM