Arham Affan

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Objective

Aspiring **AI Developer** seeking an internship to apply expertise in machine learning, NLP, and generative AI systems. Eager to contribute to cutting-edge AI solutions while advancing skills in neural networks and deep learning frameworks.

Education

BS in Computer Science *Aug 2022 – Aug 2026*
FAST National University
- GPA: 3.41/4.0

Honors and Awards: Dean's List of Honors

Experience

Teaching Assistant - AI & Python *Karachi, Pakistan*
NAVTTC Program at IBA *March 2025 – May 2025*
- Assisting in delivering **Python** programming and **AI**-related courses to students under the NAVTTC program at IBA.
- Creating **ML** coding exercises and assessments to enhance students' practical skills.

AI Developer Intern *Karachi, Pakistan*
HNH SOFT TECH SOLUTIONS PVT (LTD) *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**.

Front-End Developer Intern *Karachi, Pakistan*
PROBYTE (PVT) LTD. *June 2023 – Aug 2023*
- Utilized version control systems such as **Git** to manage code changes and collaborate with other developers.
- Developed interactive user interfaces using **HTML**, **CSS**, and **JavaScript** to enhance user experience.

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 *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