

# Arham Affan

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## Objective

**Backend Developer** specializing in scalable server-side applications, RESTful APIs. Proficient in Node.js, FastAPI, and SQL/NoSQL databases, with a strong focus on performance optimization, security, and system reliability.

## Education

**BS in Computer Science**

FAST National University

Aug 2022 – Aug 2026

- GPA: 3.34/4.0

**Honors and Awards:** Dean's List of Honors

## Experience

**Teaching Assistant (TA)**

NAVTTTC Program at IBA

Karachi, Pakistan

March 2025 – Current

- Assisting in delivering programming and AI-related courses to students under the National Vocational and Technical Training Commission (NAVTTTC) program at IBA.
- Designing practice exercises and assessments to enhance students' learning experience.

**AI Developer Intern**

HNH SOFT TECH SOLUTIONS PVT (LTD)

Karachi, Pakistan

June 2024 – Oct 2024

- Delivered a comprehensive AI-driven analysis tool that streamlined cryptocurrency research and supported the company's financial projects.
- Developed an AI-driven chatbot that improved customer service response times by 80%

**Front-End Developer Intern**

PROBYTE (PVT) LTD.

Karachi, Pakistan

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:** C, C++, Java, Python, JavaScript, Assembly x86

**Frameworks & Libraries:** React.js, Next.js, Node.js, Express.js, FastAPI, Bootstrap, Tailwind CSS, Langchain

**Database Management Systems:** MySQL, MongoDB, SQLite

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

## Projects

**ACM NUCES Official Website**

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

- Developed and deployed the official website for the Karachi chapter of ACM NUCES, enhancing event management efficiency and fostering greater community engagement.
- Engineered a robust **Node.js backend** using Express.js to manage event registrations and user authentication.
- Tools Used: React.js, Tailwind CSS, Node.js

**E-Commerce Performance Optimization Platform**

[GitHub](#) [Demo](#)

- Designed and implemented a high-performance, scalable **full-stack** E-Commerce platform with a focus on delivering a seamless user experience and a modern, responsive interface.
- Built an efficient and maintainable **backend** using Next.js API routes to manage product inventory and backend operations.
- Tools Used: Next.js, React.js, MongoDB, Tailwind CSS

**Enterprise Hospitality Reservation Platform**

[GitHub](#) [Demo](#)

- Engineered a **full-stack** hotel management system for bookings, customer handling, and operational flow.
- Designed and implemented a scalable and secure **backend** with FastAPI, incorporating JWT-based authentication for user access control.
- Tools Used: FastAPI, React.js, SQLite, Tailwind CSS