

# MUHAMMAD TAQI HAIDER

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## EDUCATION

### NED University of Engineering and Technology (CGPA: 3.32 / 4.00)

Karachi (2022–Present)

- Bachelor of Science (Computer Science & Information Technology)

## WORK EXPERIENCE

### QBS Co.

Trainee Software Engineer

(Nov 2025 – Present)

- Full Stack Developer using **.NET**, **NestJS**, and **Next.js** on enterprise-grade applications.
- Implemented **RBAC** and **User Management** modules for **Project VersEye**, ensuring secure access control.
- Built backend services in **NestJS** for **Ajeeks**, including a production-ready **WhatsApp Service**.

### KoderLabs

Associate Software Engineer

(Mar 2025 – Oct 2025)

- Developed backend APIs with **NestJS** and **.NET**, focusing on scalability and **Clean Architecture**.
- Worked on **multi-tenant systems**, optimized database schemas, and integrated **Google Maps API** with **PostGIS**.
- Implemented cloud & real-time features using **AWS S3**, **Azure Functions**, and **SignalR**.

### QBS Co.

.NET Intern

(Dec 2024 – Mar 2025)

- Developed backend modules for **Ajeeks** with **.NET**.
- Built **Docker** microservices, integrated **gRPC**, and implemented **Neo4j**-based recommendations.
- Applied **CQRS** principles for modularity and scalability.

## PROJECTS

### TrackWise – Smart Personal Finance Platform

(May 2025 – Present)

- Built a **full-stack platform** with **NestJS**, **PostgreSQL**, **Angular**, providing real-time financial insights and actionable dashboards.
- Integrated AI-driven **income/expense categorization** (HuggingFace) and automated email notifications via **MailService**.
- Deployed on **Vercel** (frontend) and **Render** (backend) with **Azure PostgreSQL**, ensuring high availability and secure data management.

### CourseFlow – Smart Course Scheduler

(Dec 2024 - Jan 2025)

- Developed a **Flask-based scheduler** for automated classroom allocation and conflict-free timetable generation.
- Applied **Greedy & Backtracking algorithms** and an **admin dashboard** to optimize scheduling efficiency and accuracy.

### Stock Management System

(Jun 2024 - Jul 2024)

- Built a **Python-Flask web application** for real-time inventory, sales, and purchase management.
- Automated stock updates, low-stock alerts, and reporting dashboards, improving operational efficiency and reducing manual errors.

## SKILLS

### Languages & Frameworks

- Python, TypeScript, JavaScript, C#, .NET Core, NestJS, Flask, Next.js

### Databases & DevOps

- PostgreSQL, MySQL, Entity Framework, Docker, AWS S3, Azure (Functions, SignalR, Triggers)

### Architecture & Tools

- REST APIs, gRPC, Clean Architecture, Microservices, Git, Postman, Swagger

## TECHNICAL COMPETITIONS

- Advanced to **Round 2 of KODERZ COMBAT** and competed in **Game of Codes V**, solving **real-time algorithmic challenges** in **Python** and **C++** under competitive conditions.
- Strengthened **data structures and algorithms** by solving **240+ problems** on **LeetCode** and practicing consistently on **HackerRank**, demonstrating strong problem-solving consistency.