

Muhammad Tallal Eatazaz

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Education

FAST NUCES Islamabad, PK

Bachelor of Science in Computer Science

Aug. 2021 – June 2025

Relevant Courses: Software Design, Web Development, Database Systems, Software Engineering, Mobile Computing

Experience

Cloud Application Development Intern

June 2023 – Aug. 2023

Systems Limited, Islamabad

- Built cloud-integrated internal dashboards using **React.js**, **.NET**, and **MS SQL**, enhancing data visibility for 5+ business teams.
- Reduced data-fetch latency by 35% through optimized API design and stored procedures.
- Participated in 4 agile sprints; resolved 20+ JIRA issues related to UI bugs, query performance, and security.

Cybersecurity Intern

June 2022 – Aug. 2022

Datamatics Consulting, Islamabad

- Developed Python scripts for file encryption using **AES/RSA** and automated threat detection based on pattern matching.
- Documented 10+ system vulnerabilities during internal audits; pioneered fixes that improved system compliance by 25%.
- Assisted in enforcing Linux hardening policies including access control, user auditing, and SSH configurations.

Teaching Assistant

Fall 2023 – Spring 2024

FAST NUCES, Islamabad

- Led 30+ lab sessions for courses like **DBMS**, **Assembly Language**, and **Computer Organization**; mentored 150+ students.
- Graded 100+ lab assignments and projects with feedback that improved class average by 12%.

Projects

InfoMorph — Multilingual Summarizer

FastAPI, Transformers, MongoDB

- Automated scraping and summarization for 100+ news articles using **Pegasus Transformer** and **FastAPI**.
- Created responsive UI with **Next.js** and added ElevenLabs API for multilingual audio summaries.
- Achieved 90% accuracy on ROUGE metric; system supported 500+ concurrent users during demo week.

Flex — Academic Portal

.NET 6, Windows Forms, EF Core

- Designed a course and faculty management system used by 2+ mock departments during internal demo trials.
- Implemented secure user auth using **JWT** and role-based access control with **.NET Identity**.
- Reduced manual scheduling errors by 50% with dynamic timetable and attendance tracking.

WorkForce Nexus — Employee Management

.NET 7, React.js, MS SQL

- Developed a modular full-stack application with **ASP.NET Core MVC**, **React**, and **Entity Framework Core**.
- Optimized complex SQL joins and added indexing, achieving 45% faster load time on data-heavy views.
- Consolidated audit logging, password reset, and admin controls, enhancing system reliability and user management.

Cloud Solutions — Enterprise Integration

Docker, Azure, .NET 7

- Migrated 2 monolithic apps to microservices using **.NET Core** and deployed on Azure.
- Integrated **OAuth 2.0** for enterprise SSO, reducing login failures by 60%.
- Containerized services using **Docker**, enabling consistent deployment across staging and production.

Skills

Languages: C#, JavaScript, Python, SQL, HTML/CSS

Frameworks & Tech: ASP.NET Core, .NET 6/7, Entity Framework, Blazor, Windows Forms, Next.js, React.js, FastAPI

Databases & DevOps: MS SQL Server, ADO.NET, MongoDB, Docker, Azure DevOps, Git, SSMS, Visual Studio