

Muhammad Tallal Eatazaz

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About Me

Results-driven Full-Stack Developer with a strong foundation in scalable backend systems and modern frontend frameworks. Skilled in building production-ready web apps with technologies like React.js, Next.js, FastAPI, and MongoDB. Passionate about clean code, microservices, and cloud integration. Successfully delivered projects in both AI/NLP and enterprise-level software. Eager to contribute to agile teams and fast-paced engineering environments.

Education

FAST NUCES Islamabad, PK

Bachelor of Science in Computer Science

Aug. 2021 – June 2025

Relevant Courses: Software for Mobile Devices, Software Design and Analysis, Database Systems, Software Engineering, Web Development, Computer Networks, Design and Analysis of Algorithms.

Experience

Cloud Application Development and Mobility Intern

June 2023 – Aug. 2023

Systems Limited, Islamabad

- Collaborated with a cross-functional team to develop enterprise applications using React.js and MS SQL.
- Built mobile-responsive UIs and RESTful APIs for live client demos, cutting feedback cycles by 35%.
- Contributed to 3 Agile sprints, addressing 20+ JIRA tickets related to performance and UI consistency.

Cybersecurity Intern

June 2022 – Aug. 2022

Datamatics Consulting, Islamabad

- Developed basic Python scripts for file encryption and pattern-based threat scanning using open-source tools.
- Helped identify and fix common web security issues (like SQL injection and XSS) in 4 internal applications; shared findings with the security team.
- Gained hands-on exposure to Linux system hardening, access control policies, and risk mitigation practices.

Teaching Assistant and Lab Demonstrator

Fall 2023 – Spring 2024

FAST NUCES, Islamabad

- Facilitated lab sessions and graded assignments for 4 core CS courses, supporting 150+ students overall.
- Conducted weekly office hours and code review sessions to improve student understanding and engagement.

Projects

InfoMorph — Next.js, FastAPI, Transformers

Jan. 2024 – Mar. 2024

- Built a multilingual summarization platform that processed 100+ articles across 3 languages using Pegasus Transformer.
- Deployed FastAPI-based backend with async scraping and MongoDB; supported 50+ concurrent users.
- Created modular frontend with Next.js and TailwindCSS; added feedback mechanism and audio synthesis using ElevenLabs API.

WorkForce Nexus — MERN, MS SQL

July 2023 – Aug. 2023

- Engineered a full-stack Employee Management System with dynamic CRUD features for 200+ employee records.
- Integrated JWT-based auth, role-based access control, and responsive dashboard using React.js and Express.js.
- Achieved 40% faster query time through MSSQL indexing and optimized joins in the backend.

MentorMe — Android Studio, Kotlin, Firebase

Apr. 2023 – June 2023

- Developed a mobile-first application for TA and LD task scheduling with live calendar and auto-notifications.
- Utilized Firebase Realtime DB for live sync across devices; reduced manual coordination overhead by 60%.
- Implemented in-app messaging and analytics dashboard to track 200+ user interactions.

Skills

Languages & Databases: JavaScript, TypeScript, Python, SQL, C++, Java, Kotlin, C#, x86 Assembly, MongoDB, MS SQL Server, PostgreSQL, MySQL, SQLite, Firebase

Frameworks & Tools: React.js, Next.js, Node.js, Express.js, FastAPI, ASP.NET Core, REST APIs, JWT, WebSockets, Entity Framework, Docker, Git, Visual Studio, VS Code, PyCharm

UI & Dev Utilities: HTML5, CSS3, TailwindCSS, Material UI, Postman, Figma, Azure DevOps