

ALIHA TARIQ

Software Engineer (Student) . Web Developer

Software Engineer with experience in full-stack web development using Python Flask, SQL Server, and React. Proven ability to develop scalable applications with secure authentication and responsive UI. Strong background in database design, API development, and software engineering principles

PROFESSIONAL EXPERIENCE

Web Application Developer | Mari Energies Limited August 2025 – Present

Built a full Compliance Management System with secure login, RBAC, audit/reporting modules, and Lab/Patient workflow. Developed complete backend using Flask + SQL Server and responsive UI with Bootstrap & DataTables. Designed optimized DB schemas, CRUD modules, and reusable code structures for scalable deployment

Software Development Intern | Mari Energies Limited August 2025 - September 2025

Gained hands-on experience in software development and project implementation using Bootstrap, C++, and Problem Solving.

Solochoicez (Pvt.) Ltd. Front-end Developer Intern June 2024 - JUL 2024

Developed and optimized front-end solutions using HTML, CSS, JavaScript, and Bootstrap. Collaborated on e-commerce projects.

PROJECTS & VOLUNTEERING

Lab Management System | Citi Lab & Diagnostic Centre September 2025- Present

Developed a complete Lab Management System with role-based access, patient registration workflows, test management, and advanced dashboards. Built secure authentication, AJAXbased patient forms, automated billing, and integrated SQL Server backend. Designed modern responsive UIs for Admin, Reception, and Patient Management using Flask, Bootstrap, jQuery, and DataTables.

Compliance & Audit System | Mari Energies Limited August 2025- Present

Designed and developed a comprehensive Compliance Management System for Mari Energies Limited, covering end-to-end audit workflows, multi-role authentication, RBAC, digital sample tracking, automated reporting, and database management. Built the complete system using Flask, Python, SQL Server, and Bootstrap, including UI/UX development, secure file handling, optimized database schema, and production-ready deployment architecture.

Saloon Website | Solochoicez front-end july 2024 -August 2024

Developed a responsive front-end for a salon website using HTML, CSS, JavaScript, and Bootstrap 5, applying HCI principles to ensure intuitive navigation, clear visual hierarchy, and an accessible user experience across devices

Volunteer - Women in Tech | Awareness Campaign july 2025 -Present

Participated in a volunteer campaign focused on promoting digital literacy and technology awareness among women.

EDUCATION

2023 - 2027

Bachelor of Science in Software Engineering

Previous

FSC A+
Matric A+

COURSEWORK

Programming Fundamentals
Object Oriented Programming
Data Structures
Database management system
Human Computer Interaction
Applied physics
Software Design Architecture
Software Requirement Engineering
Data Science
Software Construction and Design

TECHNICAL SKILLS

Front-End HTML5, CSS3, JS (ES6+), Bootstrap, React
Back-End + DB Python Flask, MySQL, Node.js, MongoDB
Mobile Android Studio
Languages Java, C++, Python
Tools Figma, Git, Visual Studio
Soft Skills Leadership, Event Coordination


LINKS

[linkedin](#)

[github](#)

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 Rawalpindi