

Syed Ammar Zulfiqar

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TECHNICAL PROFILE

Computer Engineering student with a strong foundation in system programming, computer networks, and full-stack web development. Proficient in designing scalable, data-driven applications and implementing intelligent solutions using modern machine learning techniques.

EDUCATION

FAST-NUCES, KARACHI, BS in CE (Computer Engineering)	July 2022 – Present
GPA: 3.12/4.00	
Coursework: Object Oriented Programming, Data Structures and Algorithms, Data Communication and Networks, μ P Interfacing and Programming, Embedded Systems, Operating Systems, Machine Learning.	

WORK EXPERIENCE

Web Development & Quality Assurance Intern — Orient Electronics, Karachi

June 2025 – August 2025

- Assisted in website development, performed QA testing, and reported bugs to maintain digital quality standards.

CERTIFICATIONS

- The Complete Full-Stack Web Development Bootcamp
- Linux & Shell Scripting (Basic to Advanced)
- CSS, Bootstrap, JavaScript, and PHP Stack
- Machine Learning - Fundamental of Python Machine Learning
- The Complete ISO/IES 27001 Information Security Management

PROJECTS

Bank Management System (Java, OOP, Swing, NetBeans)

- Built a secure desktop banking system with authentication and core operations using Java Swing and OOP.

University Campus Network (Cisco Packet Tracer, VLANs, Routing)

- Designed a segmented campus network using VLANs, RIP v2, DHCP, and inter-VLAN routing.

Operating System Simulation (C++, Linux, Memory Management)

- Developed a Linux-based OS simulator implementing process states, multitasking, and dynamic memory allocation.

Digital Tachometer (ATmega32, Sensor Interfacing, Embedded Systems)

- Built a microcontroller-based RPM measurement system with real-time LCD display and signal processing.

DiabAI (Python, Machine Learning, Streamlit)

- Built a recall-optimized diabetes prediction web app with explainable ML using Random Forest and SHAP.

Stacklet (React, TypeScript, Supabase, Tailwind)

- Developed a full-stack book management platform with authentication, CRUD operations, and filtering.

TECHNOLOGIES

Skills: C, C++, Java, Python, Linux, HTML, CSS, JavaScript, Node.js, React, PostgreSQL.

Soft Skills: Leadership, Problem-solving, Teamwork, Time Management, Critical Thinking.