

# Syed Ammar Zulfiqar

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## TECHNICAL PROFILE

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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

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**FAST-NUCES, KARACHI, BS in CE (Computer Engineering)** **July 2022 – June 2026**

**CGPA:** 3.14/4.00

**Coursework:** Object Oriented Programming, Data Structures and Algorithms, Data Communication and Networks, Database and Management System,  $\mu$ P Interfacing and Programming, Embedded Systems, Operating Systems, Machine Learning, Network Security and Blockchain.

## WORK EXPERIENCE

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**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

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- 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


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**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

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

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