

# Azaan Shahid

Electrical Engineering  
Lahore, 54850 Punjab

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## Skills

- Collaborative teamwork
- Analytical problem solving
- Skilled in digital tools
- Research and analysis
- Multitasking and organization
- Technical report writing
- Programming languages
- Record preparation
- Professionalism and etiquette
- Client relationships
- Documentation management

## Professional Summary

Hands-on experience in embedded systems and hardware design, with a strong foundation in microcontrollers, signal processing, and digital design. Developed a hand-gesture-controlled car using TIVA and ESP32 with accelerometer-based motion sensing. Proficient in C programming, MATLAB scripting, and PCB design (single/double-layer using Altium). Skilled in FPGA development using Vivado (RTL design, single-cycle and pipelined CPUs, UART modules) and simulation using QuestaSim. Passionate about integrating hardware and software for real-world applications.

## Professional Experience

**May 2025 – June 2025**

*LFX Mentorship – Healthcare MCU  
Intern*

- Developed microcontroller modules for remote healthcare monitoring.
- Acquired real-time data from physiological sensors (heart rate, temperature).
- Transmitted data to online platforms for analysis and visualization.
- Built dashboards to display live health stats for diagnostics.
- Supported open-source healthcare initiatives within the LFX program.

## Education

**University of Engineering and Technology (UET) Lahore**

Bachelor of Science in Electrical Engineering — *Expected June 2026*

**Punjab Group of Colleges, Lahore**

Intermediate FSC Pre-Engineering — *August 2022*

**The Trust School Amir Town, Lahore**

Matric Science — *March 2020*