

Zoulfikar Al-Helbawi

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Profile

Third-year Computer and Telecommunications Engineering student at the Lebanese University with interests in software development, networking, electronics, and communication technologies. Hands-on experience in IT support, laptop maintenance, system configuration, software installation, hardware troubleshooting, UPS systems, power electronics, and practical electronics projects. Motivated to gain practical internship experience in software development, embedded systems, telecommunications, electronics.

Education

Bachelor of Engineering in Computer and Telecommunications Sep 2023 – Expected Jul 2028
Lebanese University – Faculty of Engineering III *Beirut, Lebanon*

- Studying core engineering topics including computer systems, telecommunications, electronics, programming, signal processing, networking, and engineering mathematics.
- Developing practical skills in software development, embedded systems, communication systems, problem solving, and teamwork.

Experience

Computer Maintenance and IT Support Jul 2024 – Jan 2025
AYOUB COMPUTERS *Beirut, Lebanon*

- Performed laptop maintenance, hardware inspection, troubleshooting, and software installation.
- Installed and configured operating systems, drivers, applications, and basic user software.
- Diagnosed common laptop hardware and software issues and supported repair and configuration tasks.
- Gained practical experience in computer hardware, technical support, software setup, and problem solving.

UPS Manufacturing and Maintenance Intern Aug 2023 – Sep 2023
Smartec Technologies *Beirut, Lebanon*

- Worked on Uninterruptible Power Supply systems, focusing on internal electrical and electronic components.
- Inspected boards, transformers, wiring, and power circuits as part of maintenance and manufacturing support tasks.
- Supported troubleshooting and hardware maintenance activities in a real technical environment.
- Strengthened practical understanding of UPS operation, power electronics, fault diagnosis, and electrical safety.

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- Completed intensive programming practice focused on logical thinking, problem solving, debugging, and peer-based learning.
- Developed stronger discipline in writing structured code, solving algorithmic problems, and learning independently.
- Practiced adapting quickly to new programming challenges in a fast-paced learning environment.

Technical Skills

Programming:	C, C++, C#, Object-Oriented Programming, debugging, software development basics
Databases:	MySQL
Engineering Tools:	MATLAB, AutoCAD, Proteus, Logisim, LabView
IT Support:	Computer hardware installation, computer maintenance, software troubleshooting, software installation
Electronics:	Circuit design basics, circuit testing, component selection, electronics, microcontrollers, logic design, PCB inspection, electrical maintenance
Telecommunications:	FM transmission basics, signal modulation basics, frequency tuning, analog communication basics, telecommunications systems
Power Systems:	UPS systems, power electronics, maintenance and repair
Technical Areas:	Embedded systems, robotics, artificial intelligence fundamentals

Soft Skills

Problem solving, teamwork, technical troubleshooting, attention to detail, willingness to learn, practical hands-on work, communication, independent learning.

Languages

- Arabic** Native
- English** Advanced
- French** beginner