

MOHAMAD AL SALEH

Electrical & Telecommunications Engineering Student
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PROFESSIONAL SUMMARY

Motivated Telecommunications and Electrical Engineering student with a solid academic foundation and hands-on experience in signal processing, network systems, and communication protocols. Eager to apply theoretical knowledge to real-world telecommunications challenges and contribute meaningfully to innovative infrastructure or system development projects. Adept at analyzing technical problems, working with embedded systems, and collaborating in team environments. Seeking an internship opportunity to expand my skills in telecom technologies, RF systems, and digital communications, while growing professionally in a dynamic, fast-paced industry.

EDUCATION

- B.E. in Electrical and Telecommunications Engineering (Expected July 2027)
Lebanese University – Faculty of Engineering, 3rd branch Hadath.
- Relevant Courses: Digital Circuits, Electronics, Signal & Data Analysis, Microprocessors, Cisco Networking.

EXPERIENCE

Intern, Borderless NGO – Nov 2024 to Dec 2024

- Configured internal network systems and applied basic router rules
- Assisted with security protocols and real-world network diagnostics

PROJECTS

- **Car Rental Desktop Application (C#)**
 - a. Developed object-oriented C# app with login system and JSON-based data.
 - b. storage Implemented modular design with persistent data handling.
- **Self-balancing Arduino robot**
 - a. Developed a two-wheeled self-balancing robot using Arduino and integrated sensors to maintain upright position.
 - b. Implemented a PID control algorithm for real-time stabilization and responsive movement.
 - c. Gained practical experience in embedded systems, sensor calibration, and control systems design.

SKILLS

Languages: C/C++, C #, HTML, CSS, MATLAB, Assembly

Software Tools: Proteus, LabVIEW, MATLAB, AutoCAD, Tinker CAD, Arduino IDE

Hardware: Arduino, Oscilloscopes, Amplifiers, PIDs, ICs (Integrated Circuits)

Networking: Cisco Packet Tracer, Switch/Router Setup

CERTIFICATIONS

- CCNA 1: Introduction to Networks – Cisco
- Digital Citizenship Program (160-hour IT training) – Borderless NGO

LANGUAGES

Arabic (Native), English (Fluent)