

Ahmad El Samadi

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SUMMARY

Motivated Communications and Electronics Engineering student at Beirut Arab University with applied knowledge in digital systems, hardware integration, and enterprise CCNA-level expertise in IT infrastructure. Eager to use problem-solving skills and readiness to learn in a real-world tech environment.

EDUCATION

Beirut Arab University (BAU) – <i>Debbieh, Lebanon</i>	Sep 2024 – Present
BE in Electrical, Communications and Electronics Engineering CGPA: 3.45	
Rafic Hariri University (RHU) – <i>Mechref, Lebanon</i>	Sep 2023 – Jun 2024
Freshman Science Program	
Rafic Hariri High School (RHHS) – <i>Saida, Lebanon</i>	Sep 2020 – Jun 2023
High School Diploma	
Abdulaziz International School (SABIS) – <i>Riyadh, Saudi Arabia</i>	Sep 2011 – Jun 2020
Grades 1-9	

ACHIEVEMENTS & CERTIFICATIONS

Cisco Certified Network Associate (CCNA) Training – Levels 1-3	Jul - Aug 2026
Introduction to Networks, Switching & Routing, Enterprise Networking	
Webinar: Wireless Network Planning and Performance analysis for 5G	Mar 2026
IEEE - Beirut Arab University	
DevFest Beirut 2025 - Attendee	Oct 2025
GDG Coast Lebanon at LAU Software Institute	
Seminar: Lighting Protection and Earthing Systems	Oct 2025
IEEE - Beirut Arab University	
Seminar: FutureSec: Redefining Cybersecurity	Oct 2025
Teknologiia IEEE-Beirut Arab University	
Workshop: 2-Days Building AI Agents	Apr 2025
IEEE-RASS-Beirut Arab University	

TECHNICAL PROJECTS

- Automated Drive-Thru Simulator:** Engineered an Assembly-programmed microcontroller prototype integrating motion detection, physical gate automation, wireless data transmission, and an interactive payment interface.
- Sensor-Based Digital Counter:** Designed a motion-triggered digital counter applying signal debouncing, binary logic, and hardware-level clocking for accurate sequential display.
- Elevator Floor Display System:** Designed a 9-floor digital indication system utilizing priority encoders and logic decoders for accurate hardware interfacing and visual display.
- Automotive Lighting Control Circuit:** Assembled a purely hardware-based automotive lighting system to replicate real-world turn signals and high/low beam switching without the use of a microcontroller.

SKILLS

Problem-Solving | Team Collaboration | Time Management | Critical Thinking | Communication | Adaptability | Cisco Packet Tracer | OSPF | VLANs | Access Control Lists (ACLs) | IPv4 & IPv6 Subnetting | Switching & Routing | Network Troubleshooting | Intel 8085 Assembly | Arduino | PIC | Circuit Design (Analog & Digital) | Excel | Word | PowerPoint

ADDITIONAL INFORMATION

Extracurricular: IEEE Student Branch Member | IEEE ComSoc Member | Football Player - Beirut Arab University's Varsity Team
Languages: Arabic (Native) | English (Fluent)