

HOUSSEIN HAMDAN

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BEIRUT, LEBANON

PROFESSIONAL SUMMARY

Innovative Computer and Telecommunication Engineer with expertise in software development, networking, and systems optimization. Experienced in managing complex technical projects, delivering tailored solutions, and collaborating across teams to achieve strategic objectives. Adept at leveraging emerging technologies to drive innovation and deliver impactful results.

TECHNICAL SKILLS

- ◆ **Programming & Development:** Python, Java, C++, C#, .NET, React.js, Angular, SQL, Linux, HTML, CSS, JavaScript.
- ◆ **Networking:** LAN/WAN, DNS, DHCP, Fiber Optics Systems, Infrastructure Automation.
- ◆ **Systems & Tools:** Machine Learning, Deep Learning, Artificial Intelligence, Data Structures, GEE (Google Earth Engine).
- ◆ **Project Management:** Agile Methodologies, Requirements Analysis, Troubleshooting, Optimization.

SOFT SKILLS

- ◆ Problem-Solving and Analytical Thinking.
- ◆ Communication and Interpersonal Skills.
- ◆ Adaptability and Continuous Learning.
- ◆ Time Management and Multitasking.
- ◆ Team Leadership and Collaboration.

EXPERIENCE

2022-2024

IT Administrator

Youth Association of the Blind

Managed and maintained the association's IT infrastructure, including networks, hardware, and software systems, ensuring accessibility for visually impaired individuals.

Implemented assistive technologies and software to support the educational and developmental needs of the blind community.

Provided technical support to staff and members, troubleshooting issues and ensuring smooth operations.

Upgraded security systems, including surveillance cameras and access control, to maintain a safe environment.

Conducted training sessions for staff and members on the effective use of technology and accessibility tools.

2020-2022	Database Administrator Ministry of Interior and Municipalities Managed and maintained financial databases to ensure accurate and efficient data processing. Provided financial assistance during the COVID-19 pandemic, facilitating the distribution of support to citizens. Ensured data integrity and optimized system performance for effective financial operations.
2017-2020	Freelance IT Specialist Designed and developed websites for companies, ensuring functional and visually appealing interfaces. Created an Android application to streamline business operations with a focus on user-friendly design. Installed network and security camera systems, enhancing connectivity and security for various clients. Led the installation of fiber-optic internet systems, successfully connecting three villages to high-speed internet.

KEY PROJECTS

March 2023 – June 2023	Face Authentication Door System with Gaze Detection Designed a state-of-the-art security system integrating facial recognition and gaze detection for enhanced access control.
April 2024 – July 2024	Network Communication Simulation Using Python Simulated network communication to evaluate latency and throughput across diverse topologies, optimizing performance.
February 2019 – June 2019	Home Automation System with Authentication Developed a secure, multi-device home automation system with advanced access control to ensure robust security.

WORKSHOPS

2024	Gamifying Learning Lebanese International University. Enhanced teaching methods with gamification techniques and real-time feedback systems.
2024	AI Tools in Education Lebanese International University. Learned to utilize AI for personalized learning and student performance tracking.

EDUCATION

October 2021 – June2023	Master of Science in Computer and Telecommunication Engineering Lebanese International University Completed a rigorous curriculum in professional writing, publishing, and editorial practices.
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October 2016 – June 2019

Bachelor of Science in Telecommunication Engineering
Lebanese International University

LANGUGAES

Arabic: Native/Bilingual Proficiency.

English: Full Professional Proficiency.

French: Full Professional Proficiency.