

Hilal WEHBI

Telecommunication Engineer

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RESUME

Electrical Engineering student with a solid foundation in network systems, signal processing, and communication technologies, and growing expertise in artificial intelligence and machine learning. Seeking an entry-level position or internship to apply technical skills, contribute to innovative projects, and continue developing in both engineering and AI fields

EDUCATION

HIGH SCHOOL GENERAL SCIENCE

SOHMOR OFFICIAL HIGH SCHOOL [09/2020 – 08/2021]- Sohmor, Lebanon

Mention: Very Good

COMMUN TRUNK ENGINEERING

Lebanese University [09/2021 – 08/2024] - Beirut, Lebanon

Fourth Year Electrical Engineering

Lebanese University [09/2025 – present] - Beirut, Lebanon

Mini-projects

Scientific mini-projects during my engineering studies:

- **Library Management System | C# & SQL:** A C# system that manages and helps an admin of a library to add, remove, update, and customize borrowing lists and data for members.
 - **Tools/skills used:** Visual Studio, SQL, C# (backend and frontend).
- **Wind Energy Modeling | MATLAB:**
 - Equation development for power-wind speed correlation.
 - MATLAB implementation for testing and analysis.
 - Led project team to identify optimal power calculation model.
- **Solar Tracking System | Arduino UNO:**
 - Built a solar panel tracking system using Arduino UNO, servo motors, and light-dependent resistors (LDRs).
 - Implemented control logic for automatic adjustment of panel orientation to maximize sunlight exposure.
 - Enhanced understanding of microcontroller programming, sensor integration, and renewable energy systems.

SKILLS

Practical Skills

- **Programming:** Assembly / C / C++ / C# / CSS/ SQL / Python/R / MATLAB/HTML/ Javascript/React.js
- **Software:** Microsoft Office (Word, Excel, power point), Proteus, MATLAB/Simulink, AutoCAD/AutoCAD Electrical, VHDL, LabView, Cisco Packet Tracer.
- **Operating Systems:** Windows
- **IDEs:** Visual Studio

Language Skills

- **English** - Proficient
- **French** - Basic Knowledge
- **Arabic** – Native

Certification

Cisco Networking Academy (CCNA1)

- **Completed coursework in foundational networking concepts, including:**
 - IP addressing (IPv4/IPv6) and subnetting.
 - LAN/WAN configuration and troubleshooting.
 - OSI/TCP/IP models and network protocols.
 - Basic router/switch configuration using Cisco Packet Tracer.
 - Network security principles and best practices.

- **Machine Learning A-Z™ (Python & R) | Udemy Certification**
 - Acquired hands-on experience with supervised, unsupervised, and reinforcement learning techniques.
 - Built models for regression, classification, clustering, and natural language processing (NLP).
 - Applied Python (NumPy, Pandas, scikit-learn, Matplotlib) and R for data preprocessing, feature selection, and visualization.
 - Implemented model evaluation and optimization methods including cross-validation, grid search, and regularization.
 - Explored deep learning fundamentals with artificial neural networks and dimensionality reduction methods (PCA, LDA).
 - Strengthened skills in data-driven problem solving and predictive analytics through multiple real-world projects
- **Full-Stack Web Development | Udemy Certification**
 - Completed an industry-focused program covering front-end, back-end, and blockchain-based development.
 - Built full-stack applications with HTML5, CSS3, JavaScript, React, and implemented server-side APIs using Node.js with PostgreSQL databases.
 - Gained hands-on experience in Web3 and decentralized applications (DApps), including integration with smart contracts.
 - Strengthened expertise in scalable application design, deployment, debugging, and Git version control, preparing for real-world development projects