Mohamad El Saleh

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Education

LEBANESE UNIVERSITY - FACULTY OF ENGINEERING   Beirut, Hadath

BE in Electrical and Electronics Engineering, Avg: 66.6/100 (GPA: 3.0/4 American conversion) Sep 2022 - Present

<u>Relevant Coursework:</u> Mathematics and Physics, Circuit Analysis, Electronics, Systems and Signals, Computer Science & Programming, Control Systems, Electrical Machines & Power, Instrumentation, Circuit Simulation.

IBM AI Engineering with Python, PyTorch   Via Coursera

& TensorFlow Professional Certificate   Expected Completion: May/June, 2026

Advanced training in AI Engineering and Deep Learning (PyTorch, TensorFlow, Keras) from IBM, with applied projects in CNNs, Generative AI (LLMs/RAG), and full-stack machine learning deployment.

https://www.coursera.org/programs/artificial-intelligence-engineer-l1-36fji/professional-certificates/ai-engineer?collectionId=29RGb#testimonials

Technical Skills & Projects

Programming: C, C++, C#, SQL, Python, MATLAB, Arduino IDE, Assembly (PIC/Microcontroller)

Stellar Signal Project

(NASA Space Apps Challenge 2025 - Group Project with 5 Team Members)

Implemented an AI/ML model designed to detect and classify Exoplanets by analyzing time-series data. The model was trained on the vast Kepler NASA dataset of stellar light curves.

- **Core Achievement:** Utilized a CatBoost model to predict exoplanet presence, achieving an overall accuracy of 93%.
- **User Interface (UI):** Developed a functional, interactive user interface using Streamlit to allow easy input, tuning of parameters, and display of prediction results.
- **Model Details:** The CatBoost model was trained on the Kepler data for feature extraction from the light curves and subsequent classification.

Car Rental Application

(Individual Project - Developed using C# with a Windows Forms / WPF)

Designed and implemented a multi-page car rental management application with separate user roles and persistent data storage.

- **Technology Stack:** Built entirely in **C#** and uses **JSON files** for secure and persistent storage of user credentials and car inventory.
- **Core Pages:** Includes 2 main views:
  - **Main Page (User):** Allows a logged-in user to **browse the available car inventory**, select a vehicle, and **submit reservation details**.
  - **Admin Page:** Provides an interface for administrators to **add new cars** to the inventory, including the upload of **images and detailed specifications**.

Relevant Experience

42 Beirut   Beirut, BDD

42 Piscine-Intensive Coding   July - August 2025

Completed an intensive 4-week coding bootcamp (Piscine) with over 150 hours of hands-on programming. Focused on mastering programming fundamentals through real-world problem-solving. Developed strong skills in C programming, shell scripting, algorithms, and collaborative coding using peer-to-peer learning and project-based assessments.

OGERO   Beirut, Bir Hassan

Technical Intern, OGERO   August – Sep 2025

Completed an intensive, hands-on internship focusing on core telecommunications infrastructure (Copper and Fiber optic networks, including FTTX topology and site mapping) and gaining foundational knowledge in Emerging Technologies (VoIP, IoT, AI, and Cybersecurity).