

Farah Al-Nassar

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Education

Lebanese American University, Byblos, Lebanon

Aug 2021 - Expected Aug 2025

BE In **Computer Engineering**, **ULYP Scholar**

Dr. Hikmat Sabbagh Public Highschool, Saida, Lebanon

Aug 2015 - Aug 2021

General Sciences

Employment

Private Tutor – Freelance

Apr 2019 – May 2020

- Taught mathematics and physics to 7th grade students

Projects

Machine-Learning Based Lithium-Ion Battery Capacity Estimation

Mar 2024–Apr 2024

- Utilized deep learning algorithms like FNN, CNN, and LSTM to estimate the capacity of Lithium-Ion batteries using multi-channel charging profiles.

Machine-Learning for Covid Prediction Website

Mar 2024–Apr 2024

- Compared different machine learning algorithms like KNN, Random Forest, Decision Trees, Logistic Regression and SVM with respect to their accuracies and then used the one with the best performance to develop a website that predicts whether a person has COVID or not using the data provided to the model.

Tour Management System

Nov 2023–Dec 2023

- Developed a full stack website that enables users to book complete flight packages, including flights and hotels.
 - Provides administrative functionalities for request management, allowing administrators to accept or deny user requests.

Smart Grid

Apr 2022– May 2022

- Designed a system to track the load vs the power production to avoid blackout when the demand becomes larger than the supply capacity, can optimize power supply and demand management, and integrate renewable energy sources.

Astro-Base

Sep 2023 – Dec 2023

- Developed a full stack website that provides information about astronomical entities such as stars, galaxies, planets, and more.
 - Offers a centralized platform to access articles and images related to these entities, along with a search engine and multiple pages to access the platform's specialties.

Skills

Languages: Fluent in **English** and **Arabic**, Intermediate in **German**, Beginner in **Russian**

Soft Skills: Great Public Speaking, Presentation, Negotiation, Communication, Fast-Learning, and Public Relation Skills

Technical Skills:

- Intermediate level in **Machine Learning Algorithms, Python, Python Libraries (Pandas, Matplotlib, Numpy, scikit-learn)**
- Intermediate level in **PSpice, Quartus, TinkerCad, Circuit Design, Soldering, MATLAB, Circuit-Building**
- Competent in **PHP, SQL, Java, and Data Structures**
- Experienced in **HTML, CSS, Unity Engine, C#, JavaScript, 68k Assembly**
- Entry-level experience in **Node js, React js and angular js**

Memberships and Activities

Treasurer in IEEE Artificial Intelligence, **Active Member** in Google Developers Student Club & IEEE Women in Engineering Club

Participant in Model Arab League by LAU, Innovation Camp by Injaz, Techsplore by All Girls Code, Change Program

By ULYP, and Mentorship Program by KAYANI