

Mazen Awwad

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Education

Lebanese American University, Beirut, Lebanon

September 2021 – May 2024

- BS in **Computer Science**
- **CGPA:** 3.53
- Dean's Honor List (Fall 2022, Spring 2023, & Fall 2023) and Distinction List (Fall 2021)

Work Experience & Internships

Integrated Digital Systems (IDS), Lebanon

August – October 2023

- Developed a fully functional course registration web application for IDS Academy.
- Used **HTML, CSS, and JavaScript** for the front-end, **PHP** for the backend, and **MySQL** as a database.

Academic Projects:

- **Database for an Insurance Company:** Designed and built and tested a database for an insurance company in the database course using SQL on the Oracle Database, as well as draw.io and other methods to draw the ER.
- **Clothes Store Website:** Designed and built a fully functional clothes store website with an AI chatbot using CSS, HTML, PHP, JS, and SQL
- **Educational Intermediary Platform:** Designed and developed an education intermediary website using HTML, CSS, JavaScript, PHP, Java, and SQL.
- **RISC processor** with 64 registers. Had to come up with instructions in a completely new (created) syntax and had to describe how they were handled in the processor and main memory.
- **Mobile App for Bakery:** Using Java in Android Studio, with a functional database using fragments and dropdown menus.
- Basic **messaging app** in Python, utilizing sockets with Caesar Cypher Encryption and Decryption.
- **Breast Cancer Classification Machine Learning Model**, implemented using Python and libraries like NumPy, Pandas and Scikit-learn. Trained the model on a large dataset of breast cancer samples to predict malignancy accurately.
- **Parallelized Merge and Radix sort** using different Parallel Approaches, such as Cuda C, MPI, OpenMP, and OpenACC.
- **Kids' Clue Finding Game** in Roblox Studio using LUA script, ensuring to design a kid-friendly design with interesting themes and objectives.
- **2D Maze Game + 2D Space Shooter Game** in Unity using C#, utilizing different assets and sprites to create a unique design and playthrough.
- **Twitter Bot Detection ML Model + UI Development** using Flask.

Skills:

Backend: Java, python, PHP | **Web Development:** HTML, CSS | **Operating Systems:** Linux (Ubuntu, Kali Linux) | **Database:** SQL (MySQL, SQLite) | **Skills:** GitHub |

Programming Languages: Java, Python (NumPy, Pandas), C, C#, JavaScript, PHP, Dart |

Knowledge: Scenario-based problem solving, debugging, networks, network security, algorithms...etc.