Mohammad Al Moukhallalati

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EDUCATION

Lebanese American University, *Undergraduate Computer Engineering student*   *Sep 2020 – Jun 2024*
- B.E. in Computer Engineering
- LIFE Scholar
- GPA: 3.66/4
- Dean's Distinguished List in Fall 2021, Fall 2022, Spring 2023, Fall 2023, and Spring 2024.

PROFESSIONAL EXPERIENCE

Khatib & Alami, *Intern*   *Aug 2023*
- Worked in the Geographic Information System (GIS) department.
- Researched about GIS and read multiple tutorial books to get familiarized with the field of GIS and its benefits.
- Worked with a team of interns and implemented ArcGIS Pro and different codes to simulate different scenarios.

Inspire Business Consult Solutions, *Technical Consultant Intern*   *Jun 2023 – Jul 2023*
- Developed Java codes to complete different tasks related to dealing with Application Programmable Interfaces (APIs), web services, accessing databases, External Document Management Systems (EDMS), and IBM Message Queues (MQs).
- Customized different projects based on clients' requests and deployed them on servers.
- Guided new interns, as requested by the supervisor, in acquainting themselves with FTI and programming.

TECHNICAL PROJECTS

Osiris Final Year Project   *Sep 2023 – May 2024*
- Worked in a team of 4 senior students to build an autonomous agricultural rover responsible for monitoring soil conditions, seeding, and plant monitoring using object and color detection for tomato crops.
- Responsible for the web application which is done using ReactJs, NodeJs, ExpressJs, and MySQL and the machine learning aspect.

Embedded Systems Final Project   *Dec 2023*
- Led a team of 4 to develop a rover capable of detecting boxes based on RGB colors and stack the boxes on top of each other using a custom designed forklift with DC motors using Raspberry Pi 4 as the main microcontroller.

Fault Simulation Project   *Dec 2023*
- Led a team of 2 to create a serial fault simulation model using Java to test for different stuck at faults present in a combinational circuit for the Testing for Integrated Circuits course final project.
- Used Object-Oriented Programming to design different classes to assemble the whole project.

Lebanese Identity Recognition Project   *May 2023*
- Worked in a team of 4 to create a Lebanese Identity Recognition model using optical character recognition (OCR) technology with a user interface for the Data Science course final project.
- Employed different classification techniques to get a very high accuracy to recognize the Arabic numbers with a custom dataset.

Moukhane Electronics Shop Project   *Dec 2022*
- Led a team of 3 to create an electronics shop web application, including frontend (CSS/HTML/JavaScript), backend (PHP), and database, for the Database Systems course final project.

EXTRACURRICULAR EXPERIENCE

Circle of Positivity NGO, *Member*   *Sep 2022 – Jun 2023*
- Non-profit organization for helping kids and organizing fun and educational activities for them.

Hariri High School II Volunteering Club, *Member*   *May 2018 – Jun 2020*
- Participated in different events, like cleaning the beach in Ramlet El Bayda, helping in organizing the school Kermes, and planting trees in Arez.

Football and Futsal with F.C. Beirut and School Varsity Team, *Captain*   *April 2011 – Jun 2020*
- Led my football and futsal teams into multiple tournaments and wins, including winning the Lebanese Futsal Championship for schools in Beirut, and participating in Gothia Cup in Sweden.

SKILLS

Languages: Arabic (native), English (fluent)

Coding Languages: Python, Java, SQL, CSS, HTML, JavaScript, ReactJs, NodeJs, VHDL, Verilog, MATLAB, SIMULINK

Personal Skills: Presentation and Interpersonal Skills, Web Development, and Database Management