Mohammad Ayoub

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Education and Certifications

Bachelor in Computer Science, *Lebanese Univeristy*   2019 – 2022

HCIA-Artificial Intelligence v3.0, *Huawei*   2022

Machine Learning Course, *Baraka Association*   2021

National Education Robotics Day, *University of Balamand*   2020

Experience

Robotics Instructor, *Kalimat Association*   2019 – present
- Writing Arduino courses for all different levels
- Organizing robotics competitions
- Teaching Python courses for all levels

.NET Developer, *Scinops Company (Online Internship)*   2021
- Build a mobile app using Xamarin framework
- Build a web application using ASP.NET core

Technologies and Languages

Languages: C, HTML, CSS, JavaScript, Python, Java, PHP, C#, Assembly

Technologies: MySQL, MSSQL, Git, Linux, ASP.NET, WPF, Arduino, Xamarin, Android Development

Other: Data structures and algorithms, Object Oriented Principles, Design patterns (MVC, Builder, Singleton, Observer…)

Open-Source Projects

Encrypted File Sharing System (EFSS)

It is a set of 5 programs used together to send a file from office A to office B very securely
- **Part 1:** Desktop application built with **WPF** that takes file as input, encrypt the file, encode to base64, and write the output to txt file
- **Part 2:** Script written in **python** that decrypts the file created in (Part 1) written in **C#**, and writes the output to a new file. (Decrypting a file using a language different from the language used in the encryption is to gain more experience)
- **Part 3:** Web application built with **ASP.NET** that receive files from client A using API, save them, and provide to client B when asked for. It have authentication to prevent others from upload or download and record every file upload and download to a database table
- **Part 4:** Desktop application built with **WPF** that take file as input and send the file to web app (Part 3)
- **Part 5:** Desktop application built with **WPF** (runnable on program of Part 2) that download files from web app (Part 3)

LU Restaurant

Fast food restaurant website built with (**HTML5, CSS, JS, Bootstrap, PHP, MySQL**)
Main functions of the website:
- Display offers and events section
- Display menu in categories and items of each category
- Display customers feedbacks and rate average
- Display about section (names of top customers, information about the team)
- Customer can book a table according to the number of arrivals and the capacity of the restaurant

Admin side:
- Super Admin can add another admin and customize their permissions
- Admin can access all reservations and tabels statuses
- Admin can add a new menu, category, item, offer, event

Library Management System

Desktop application built with **JavaFX** and **MSSQL** to manage all the functions of a library
- Librarian can save new books and borrowed books with their due dates in the database
- Librarian can tracks the records of the number of books in the library, how many books are issued, how many books have been returned or renewed
- Admin can add and remove librarian

CVs Repository

Web application built with **ASP.NET 5** and intended to store the resumes it receives
- User can submit a CV when he fills in all the required fields on the form
- User can search, view, edit, delete any CV he chooses
- Web application validates user input on both the client and server side

Teacher Picker

The goal of this project is to learn how to design, develop, maintain software using an organized analytical approach (**using UML Diagrams**). Teacher picker is a mobile application that makes it easy to find tutors in your chosen region, language, and price in addition to many other features.

Languages

Arabic
Native Language

English
Intermediate

Frensh
Intermediate

Interests

Mystery movies
I enjoy trying to solve the mystery alongside the detectives and thinking up all kinds of theories

Music
I like listening to relaxing music because it motivates me and helps me improve my concentration level