Khaled Walid Abu Jmei

Tripoli, Lebanon

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EDUCATIONAL BACKGROUND:

	BE in Computer and Communication Engineering	*Sep 2020 – June 2024*
Beirut, Lebanon	American University of Beirut	GPA 3.62; Dean's Honor List	Full Scholarship by ULYP	

Courses Data Structures and Algorithms, Design and Analysis of Algorithms, Digital Systems Design, Computer Organization, Computer Architecture, Signals and Systems, Embedded Systems and Internet of Things.

EXPERIENCE:

Beirut, Lebanon   ESP32-Weather API: *Team Leader and designer*

* Configured ESP32 to work as an http client and parse a Json
  API weather response.   *Fall 2023*
* Configured ESP32 to work as an MQTT client which sends the weather
  response to a node-red client when a publish button is pressed
* All codes are written in C , using ESP-IDF library

Beirut, Lebanon   PARKIT: *Team Leader and designer*

* Configured Arduino-nano with RF24 card to act as an authentication card.
                                                                       Spring 2023
* Configured ESP32 to receive the user id and then contacts a backend database
  (configured using node.js and mongoose) to authenticate the user.
* The PARKIT device will allow the user to park if authentication succeeds.

Beirut, Lebanon   Chatting Application: *Team Leader and programmer*

* Designed the client server code (socket programming)
  using python   *Spring 2022*
* Ensured reliable communication of messages between peers
  even under unreliable conditions.
* File transfer features and GUI.

Beirut, Lebanon   Crypto-Hub: *Programmer*

* Designed to encrypt and decrypt using classical
  encryption/decryption techniques and DES , with GUI   *Fall 2023*
* Implemented using JAVA

EXTRA-CURRICULAR ACTIVITIES:

University:

Beirut, Lebanon   * Personal training and bodybuilding coaching   *2020 – Present*

Workshops Attended:

* Python programming workshop	*Spring 2021*
* Arduino workshop	*Spring 2022*
* Linux for raspi workshop	*Fall 2022*
* Build-it weekend 5.0 by IEEE and robotics club (1st prize winner)	*Spring 2023*

SKILLS:

Software Programming Languages: Python , C++ , HTML,CSS and bootstrap , JavaScript, react, Django , Node.js and express, and Laravel , C , C#., Java, data structures , Android development using Kotlin ,

Hardware Programming: ESP32, Arduino, STM32,Raspi ,PIC,VHDL , and Verilog.

Languages: Excellent Proficiency in English and Arabic

Leadership, Communication, Public Speaking, Organizational Skills