

# Michael Emil Abdo

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## EDUCATION

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- Senior student at Faculty of Computer and Information Science at Ain Shams University, Computer Systems Department [CGPA:2.5/4.0] [Oct 2020].

## SKILLS

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- Excellent command of MS Office.
- Programing Languages: C, C++, C#, PL/SQL, Python, HTML.
- Technologies: Arduino, NodeMCU.

## COURSES & TRAINING

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- IT Enterprise Monitoring and Process Automation Internship at National Bank of Kuwait [From 1 Aug to 14 Sep 2023]
- [IoT Lab Hands-On Devices](#) [Aug2023 –MaharaTech].
- [SQL-The Complete Introduction to SQL programming](#) [Aug 2023 – Udemy].
- [AI and Big Data in IOT](#) [Apr2023 – Great Learning].
- [What Is IOT?](#) [Apr2023 – Great Learning].
- [IOT Applications Development using MasterOFTthings platform](#) [Feb2023 –MaharaTech].
- [Introduction to the Internet Of Things – IOT Value Chain](#) [Feb2023 – MaharaTech].
- [IOT internship](#) [Oct2022 – Orange Digital Center Egypt and AMIT Learning].
- [IT-System admin](#) track prerequisites which include 2 courses:
  - 1)[Introduction to Network Security](#) [Sep 2022 – MaharaTech].
  - 2)[Computer Network Fundamentals](#) [Oct 2022 – MaharaTech].
- [From RoboTech and Ain Shams University](#): For attending the summer training and doing IOT Medical Healthcare Box project [Aug 2022].
- [Introduction to Internet Of Things](#) [Jul 2022 – ITI].
- QT C++ GUI tutorial For Beginners [Apr 2022 – YouTube].
- [From RoboTech and Ain Shams University](#): For attending the Summer Training [Aug 2021].
- [From MSP and Ain Shams University](#): For attending the Summer Training [Aug 2021].
- [From RoboTech and Ain Shams University](#): For attending the mid-year workshop and making Smart Home project [Feb 2021].

## Projects

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- **Revolutionize IoT with Remote Wi-Fi Data Monitoring & Control:** Experience the future of IoT with our groundbreaking project. Seamlessly integrate Arduino with Wi-Fi for remote data monitoring and control. Our high-performance system enables real-time updates on a dynamic LCD screen, with intuitive web-based control for effortless management. Advanced motion detection and precise sensor monitoring ensure accuracy and responsiveness. [May 2023]
- **Introducing our Next-Gen IoT Handbag Monitoring Application:** Experience ultimate security and peace of mind with our cutting-edge solution. Our IoT Handbag Monitoring Application utilizes the MasterOfThings IoT Kit, integrating light and GPS sensors for seamless tracking and protection. Track your handbag's location in real-time, stay connected and in control wherever you are. Receive instant notifications for opened or closed status, ensuring constant awareness of your bag's security. Embrace the future of smart security and keep your belongings safe with our advanced sensor technology. [Sep 2022]
- **Introducing the IoT Medical Healthcare Box:** Never miss a medication again with our smart solution. Our IoT Medical Healthcare Box, powered by the NodeMCU board, ensures timely reminders for medication schedules. Get alerts via email or alarms triggered by accurate time retrieved from an NTP server. Additional notifications can be sent to designated contacts if the box remains unopened. Take control of your healthcare with our innovative IoT solution. [Aug 2022] ([photo to the project](#))
- **Seaperch vehicle:** which is a scale model of the ROV and controls it by joystick [May 2022].
- **Chat application:** This application helps people to communicate with each other such as the popular application WhatsApp [May 2022].
- **Smart Homes:** to explore the world of high-tech functionality and luxury that was not necessarily possible in the past [Feb 2021].” I was made more than one project on [tinkercad](#) website and one project with real components and Arduino”

## Competition & Student activities

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- UNDERWATER ROBOTICS CHALLENGE at Alamein Robotics Championship [Mar 2022].
- I was enrolled in ROV team - Remotely Operated underwater - especially in Electrical team [Dec 2021] and I was achieved best member in the Electrical team during the - my first - season of 2021/2022 [Aug 2022] and in season two, I became the head of the Electrical team.