


**Menna Radi Ewida**

**Software Engineering**

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## CAREER OBJECTIVE

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Software engineer, passionate about Arduino programming and has more than 2 years of experience in Arduino and was also trained in the field of the Internet of Things. I also learned the field of web front-end and implemented many projects. I am looking for an opportunity as a Robotics Engineer with a team of expert developers who will help me gain more experience and contribute to the success of the company.

## EDUCATION

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**Graduated from** faculty of computers and information KSU university CS Department (2024)

## WORK & EXPERIENCE

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- **Experience in dealing with Computer, dealing with many programming languages, understanding protocols, and creating many projects.**
- **Writing many frontend codes for websites.**

## PROJECTS

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### **Smart Home:**

- This project presents the idea of a smart home by using many sensors, such as light, temperature, smoking, movement, touch, and control of home appliances.

### **Car Robot:**

- In this project, a car robot was made that moves via Bluetooth and can also move by following the line.

### **Smart City:**

- This project presents the idea of how we can transform an ordinary city into a smart city that responds to technology
- by controlling light bulbs, traffic lights and homes.

### **Fire Detector Robot:**

- This is a project and a challenge at the same time in a competition held by Smart Technology at the Engineers Syndicate in Alexandria.

- I made a robot car that follows the line, detects the fire, sends a message over the phone with the fire alarm, and also displays on the screen the number of the burning house.

### **IOT Project:**

- This is a project that relies more on the Internet of Things.
- I used the MQTT platform and the MOT IOT KIT application.
- Controlling the movement of images using Mobile's Orientation, the appearance and disappearance of objects using the Proximity Sensor, and lighting using the Light Sensor.

### **Time To Travel Website :**

- In this project I used HTML, CSS and JavaScript
- The idea of the site is based on tourism and helping tourists choose places to stay and eat, and recommending tourist activities and tourist places.
- I worked on designing the website's appearance and programming.

### **Homz Website:**

- The idea of this site is simple and similar to an e-commerce site where you display and buy furniture.

### **GYM Management System:**

- I worked with my team on this project.
- This is desktop Management System By Python Language.
- This is a gym management system in which the use of a camera is provided to record the player's image and then ensure security for future entries.
- Some data is recorded, stored, and displayed within the system when needed, and is modified automatically.

### **Desktop application for Clinic:**

- This is Windows Forms app with C#.
- Simple Clinic System To record and display data .

## **COURSES & CERTIFICATES**

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- Robotics Level 1
- Smart Technology Challenge II
- Arduino and Nodemcu Board Basics
- Course At Information Technology Institute In IOT
- Course at C Sharp language
- Course at Python language
- English Course At UK English Academy ( Advanced Level )
- Digital Marketing (google)

## TECHNICAL SKILLS

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### IOT Framework:

- Java Script
- Database MySQL
- MQTT Platform

### Arduino Framework:

- C Language
- Arduino IDE
- Tinkercad Simulator

### Frontend Framework:

- HTML
- CSS
- JavaScript
- Bootstrap
- Tailwind

### General Concepts:

- OOP
- Algorithm & Data Structure
- Git & GitHub
- Skilled AI Tools Utilization

## PERSONAL SKILLS

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- Language (Arabic, English)
- Team Working