

Arafa Arafa Abd El-Mawgod

Contact Details:

Date of Birth: October 19, 1998.

City: Cairo

Cell phone: +20-01158596439 | +2-01026879125

Nationality: Egyptian.

Marital Status: Single.

Military Status: Postponed

arafa.arafa.prog@gmail.com

Objective:

I am a creative and persuasive individual who enjoys a challenge. In addition to strong self-learning skills. In my work, I take the responsibility. I seek perfection by combining clean code, optimized performance. I am able to work effectively in a team, can lead group demonstrate advanced problem-solving skills, and thrive under pressure. Do anything to reach my goal by some out of box ideas. At the end, I can adapt to any situation.

Qualifications:

- July, 2021: B.Sc. Faculty of Computer Science, Modern University for Technology and Information (MTI).

- **Areas of Study:**

- ** Studying Computer Science (Major) including, but not limited to, the following Disciplines:

- Internet Technology.
 - Object Oriented Programming.
 - Algorithms and Data Structures.
 - Operating Systems.
 - Distributed systems.

- June, 2017: Secondary school certificate from “Khaled Ebn El-Waleed” high school, Maadi, Cairo.

Programming Skills:

- OOP
- Problem Solving
- SOLID Principles
- Embedded RTOS
- Design Patterns

Programming Languages:

- Python (Good)
- JavaScript (Good)
- C++ (Very Good)
- C (Very Good)
- C# (Good)

Other Tools:

- Git & GitHub (Good).
- Windows CMD & Linux terminal (Good)
- SSH

Languages:

- Arabic (Mother Tongue)
- English (Listening and Writing: Very Good; Conversation: Fair)

Experience:

○ Responsibilities:

- developing systems and firmware using programming languages and simulation programs (i.e., C, C++, python, Proteus and Fritzing).
- Good knowledge in Embedded protocols (UART, SPI, I2C).
- knowledge in Embedded protocols (CAN, LAN).
- knowledge in data structure algorithms
- knowledge in Free RTOS.
- knowledge in Embedded Linux.
- knowledge in AUTOSAR.
- knowledge in electronics components.

Previous Work:

- Working as an embedded software developer to make simulation smart home using Atmega32 programmed by c programming language the code and simulation on below GitHub link.
 - <https://github.com/arafaarafa/smart-home.git>
- Working as an embedded software developer to make graduation university project; it was about automatic level crossing using jetson nano developer kit to control the gate and train.
- Graduation project responsibilities:
 - Soldering components on dotted PCB.
 - Choosing the hardware modules.
 - Writing C++ code for ATmega328P.
 - Writing Python3 Code for Jetson Nano Developer Kit.
 - Modifying Raspberry PI Python Libraries for Jetson Nano.
 - Linking hardware with servers and GUI (SocketIO).
 - Python3 Multiprocessing and Multithreading.
 - Computer Vision with Jetson nano.

Hobbies:

- Body Building.
- Origami.
- Gaming