

# Mazen Mostafa Ibrahim Hassaneen

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**Date of Birth:** 29/8/1999

**Military Service:** temporary exempted from the military service (Single son)

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## OBJECTIVE

Electronics and Communication engineering graduate with a demonstrated knowledge in embedded systems, programming, testing, and storage knowledge and seeking to gain experience in the technology industry.

## EDUCATION

Misr International University (MIU), **BSc Electronics and Communication Engineering (B Student)**, 2017-2022

Nobel Language School, **Thanawiya Amma - Math Section**, 2015-2017

## TECHNICAL SKILLS:

Hardware design & Coding Software Testing Foundation Level ISTQB, Basic knowledge in AVR &ARM, RTOS, Basic Knowledge in Networks and Communication systems. Aware of API Testing, performance Testing, SQL, System Testing.

**PROGRAMMING LANGUAGE:** Embedded C, C++ Programming, MATLAB, Arduino IDE, and Assembly Language.

**SOTWARE:** Microsoft Office PowerPoint, Word and Excel, Adobe Photoshop and Illustrator, OrCAD, Proteus, Multisim, LabVIEW, Visual Studio, JIRA, GITHUB.

## TRAINING:

- **"Software Testing Diploma" (Dec. 2022: Present) included the following topics:**
  - **Full ISTQB Foundation Level Certification preparation course (CTFL)**
    - Fundamentals of Testing.
    - Testing Throughout the Software Development Lifecycle.
    - Static Testing.
    - Test techniques.
    - Test Management.
    - Tool Support for Testing.
  - **Full ISTQB Agile Certification preparation course**
    - Agile Software Development.
    - Fundamental Agile Testing Principles, Practices and Processes.
    - Agile Testing Methods, Techniques, and Tools.
  - **Practical Testing**
    - Introduction to Software application and development process
    - Introduction to Software Testing.
    - Read SRS and understand application functionalities.
    - Test plan, testing techniques, Test design for Functional Testing, Requirement to test case mapping, https methods, API testing, Introduction to post man, Test execution, Defect Management, Bug life cycle, Builds management, Test reports, Test Closure, JIRA.
- **"Embedded System Diploma" (Jan.2023: Present) included the following topics:**
  - Introduction to Embedded Systems.
  - C programming language.
  - Data structure & Algorithms.
  - Embedded C programming.
  - Software Engineering & Embedded Software Testing.
  - Microcontroller Interfacing.
  - RTOS.
  - Computer Architecture.

- **ISTQB Training at “Amit Learning” with “Orange Digital Center Egypt” (from 23 – 27 October 2022) the training included the following topics:**
  - Preparation of ISTQB FOUNDATION LEVEL certification (CTFL – 2018)
  - Applying static testing.
  - Test Case creation.
- **Joined “VALEO Gear up Academy (Bath#4) (from 25 to 29 September 2022) the training included the following topics:**
  - Secure embedded C
  - Software component design
  - SW for HW interfacing
  - Multitasking (OSEK OS) & component and integration testing.
- **Embedded Systems Diploma at AMIT Center, (from 3/7/2021 to 19/11/2021) Grade: 93% passing through following modules:**

<ul style="list-style-type: none"> <li>- Introduction to Embedded Systems.</li> <li>- C programming language &amp; Data structure.</li> <li>- Embedded system tools.</li> <li>- Embedded C programming.</li> <li>- Interfacing protocol.</li> <li>- Microcontrollers &amp; microprocessors.</li> </ul>	<ul style="list-style-type: none"> <li>- Real Time operating system</li> <li>- Testing and validation of embedded systems</li> <li>- AVR &amp; ARM</li> <li>- SWE &amp; ISTQB foundation level</li> <li>- Automotive bus Technology.</li> </ul>
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- **CCNA (Cisco Certified Network Associate) 2020**

#### **GRADUATION PROJECT:**

- **“V2V and V2I graduation project” (A Student)**  
 Implementation: Software - Atmel Studio, Hardware - AVR Microcontroller  
 Design and Implementation of V2V and V2I Communication System using ATmega32 AVR microcontroller.

#### **PROJECTS:**

- **Electric water heater and cooler system using AVR**  
 Implementation: Software - Atmel Studio, Hardware - AVR Microcontroller.
- **Digital Stopwatch using Arduino**  
 Implementation: Software - Arduino IDE, Hardware - Arduino UNO, LCD.
- **4-Bit Adder**  
 Implementation: Software - Multisim, Arduino IDE  
 Hardware - Full Adders ICs, Logic Gates ICs, LCD, Arduino UNO
- **CMOS Circuit Design**  
 Implementation: Software - Mentor Graphics Pyxis
- **MOSFETS**  
 Implementation: Software – OrCAD

#### **SOFT SKILLS:**

- Time management.
- Able to work in teams across organizational lines with a positive attitude.
- Problem-solving capabilities.
- Resourceful and comfortable dealing with pressure.
- Highly motivated for learning new things.

**LANGUAGES:** Arabic (Native), English (Fluent), French (Intermediate).

**HOBBIES:** PlayStation Gamer, playing chess, Reading, listen to music, playing football.