

**Ahmed Mamdouh**  
**(+20)1064880573**  
[ahmedmamdouh2580@gmail.com](mailto:ahmedmamdouh2580@gmail.com)  
[www.linkedin.com/in/ahmed-mamdouh-8318b2242](http://www.linkedin.com/in/ahmed-mamdouh-8318b2242)

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## Objective

An electrical and communications undergraduate with a passion for embedded software development, I am excited to explore internship opportunities in this field.

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## Education

**Level 4, Electrical and Communications Engineering – Higher Technological Institute 10th of Ramadan (HTI).** Sep 2021 – June 2026

Accumulative Grade: Very Good

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## Training

**Information Technology institute (ITI)**

Suez Canal, Ismailia, Egypt | June 2024 – Aug 2024

- Introduction to IoT – 18 Hours
- Embedded C – 30 Hours
- Wireless Communication Fundamentals - 30 Hours
- Linux - 24 Hours
- LoRaWan for IoT - 18 Hours
- ORAN -10 Hours
- Embedded Linux – 20 Hours
- Project – 30 Hours

**IMT School Company |**

Nasr City, Cairo, Egypt | June 2023 – Aug 2023

- C-Programming for Embedded Systems – 40 Hours.
- Embedded Systems Concepts – 8 Hours.
- Embedded Systems Interfacing – 64 Hours.

## Work

**Coding Instructor – iSchool | Project: Digital Egypt Cubs (Demi)**

July 2025 – Sep 2025

- Worked with Grade 6 students.
- Taught more than 100 students
- Delivered over 80 online sessions.

## Courses

**• IMT Embedded Systems Diploma.**

The Diploma covered the below topics:

- Basic Concepts of Embedded Systems.
- Data Structures (Linked-List, Stack and Queue).
- C For Embedded Applications (Embedded C).
- Software Engineering.
- HW Labs
- C Programming.
- AVR Microcontrollers Interfacing (Implement all the drivers).
- Real Time OS (RTOS).
- Embedded Tools.

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## **Projects**

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- **Digital clock using AVR microcontroller**
  - **Calculator using AVR microcontroller**
  - **Safe Machine using AVR microcontroller**
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## **Skills**

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- Python , C , C++ , Java Script
  - Linux
  - MATLAB
  - Problem Solving
  - Communications skills
  - Critical Thinking
  - Analytical skills
  - Presentation skills
  - Leadership skills
  - Teamwork skills
  - Microsoft (Word, Excel, Power Point)
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## **Tools**

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- Eclipse
  - Atmel Studio
  - CodeBlocks
  - Proteus
  - Arduino
  - Mikro c
  - Mblock
  - Godot
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## **Language**

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- Good at English writing and listening
  - Arabic (Native language)
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## **Volunteer Work**

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| ● Member of HR in American Institute of Chemical Engineers HTI (AIChE)  | Nov 2021 – June 2022 |
| ● Head of HR in American Institute of Chemical Engineers HTI (AIChE)    | June 2022 – Aug 2024 |
| ● President of the American Institute of Chemical Engineers HTI (AIChE) | Aug 2024 – Mar 2025  |