

Ahmed Mamdouh
(+20)1064880573
ahmedmamdouh2580@gmail.com
www.linkedin.com/in/ahmed-mamdouh-8318b2242

Objective

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

Education

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

Accumulative Grade: Very Good

Training

Information Technology institute (ITI)	Suez Canal, Ismailia, Egypt June 2024 – Aug 2024
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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.

Projects

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

- 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

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

- 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 – Until Now |
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