Mahmoud Muhammad Bayoumi

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Objective

To leverage my strong background in mathematics, hardware design, and programming to excel as an embedded systems engineer. With a deep understanding of microcontrollers and peripherals, I am adept at developing efficient and reliable embedded systems solutions using C and Python programming languages. My passion for innovation and problem-solving, combined with my technical expertise, enables me to deliver high-quality results and exceed expectations in every project.

Work Experience

Freelancer as programmer
            Since 2019
Math Teacher Assistant
        October 2021: March2022

Technical Skills

- C Programming Language
- Python Programming Language
- Computer Architecture
- PIC and AVR interface
- Linux
- Matlaband Simulink
- Embedded C
- Microcontroller peripherals
- Communication protocols
- Layerd programming
- Problem solving
- PID
- **Tools:**
  VS Code-Mplab-XC8-Code blocks-linux-Atmel Studio – Proteus -– Notepad++ -eclipse

Education

Studying in PHI(Pyramids higher institute for Engineering and technology)
2019-2024
Expected graduation in July-2024
        Last four years rank is the fifth

Technical Site Training

- Benha Electronics co
      -Soldering
      -intro in solar system and it's fabrication

-Technical researches
- Egypt FWD(Egypt Future is Digital)
  Fundamentals of Web development
- Cairo Oil Refining Co
  Control system

Technical Online Training

- Introduction to Artificial Intelligence (2021) UDACITY
- C programming (NTI)
- Linux (online Course)
- Python
- Embedded C Diploma in progress (Ahmed Abdulghafar)
- Microcontreller (Microchip uni)

Projects

- Cooling System
- PID Balance
- Dc motor using Bluetooth
- Smart home

Volunteering Experience

- Enactus
- Student activities

LinkedIn Profile

Mahmoud (Bayoumi) Muhammad | LinkedIn

Language

- **Arabic : Native.**
- **English: Very good.**

Personal Information

- **Date of Birth:** 26 / 10 / 2001
- **Gender:** Male
- **Nationality:** Egyptian