

Mohamed Hossam EL-Din Ahmed Tealeb

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Work Experience:

- Aug.2019 until Present: Production Engineer for Cables,
Military Production Factory for Non-Ferrous Industries.
- May 2019 until Aug.2019: Technical Support Engineer,
We (TE-Data) Company.
- April 2017 until Sep.2017: Mobile Network Installation Engineer,
Wave-Telecom Company.

Education:

- May 2016: B.Sc. in Electronic and Communication,
From Modern Academy for Engineering.
- Grade: Very Good.

Certifications:

- June 2021: Introduction To Embedded Systems SW and Dev. Environments,
From University of Colorado Boulder on Coursera.
- Sep. 2020: Complete C Basic, Intermediate and Advanced Tracks,
on HackerRank.
- July 2020 : Programming Fundamentals in C,
From Duke University on Coursera.
- June 2013: Analog and Digital Electronics Basics Training,
From Je telecom Company.

Internship Experience:

- August 2015: Training in Cairo Airport Company.

Self-Study:

- C Programming Language.
- Dealt with STM32, AVR & PIC Micro-Controllers and their Peripherals,
(Like: GPIO, Keypad, LCD, GLCD, Interrupts, ADC, Timer/Counter, USART, SPI, I2C).

- Real Time Operating Systems (RTOS).
- Embedded Linux Basics (using Emacs, Git, GNU gcc, GNU make, Makefile).

Some of my Embedded Projects:

- **Smart Fan** >> you can use Push-Button that connected to external interrupt pins to choose from three speeds of the fan(using DC-Motor) that controlled using PWM module, choose if the fan head moving (using Stepper-motor) left and right or not. You can do that using switches connected to the fan or remotely using your mobile by Bluetooth. Also, you can make the fan work or stop automatically at desired temperature.
- **Calculator** >> where micro-controller takes the numbers from Keypad and do the needed mathematical operation on it like (add, subtract, multiply, divide and power) and display the result on the LCD (GLCD) screen.
- **Traffic Light System** >> Three GPIO pins connected to three leds (Red, Yellow, Green) to turn them ON and OFF in specific times. This time is calculated using Timer module and displayed in 7-segment.

You can see all my Projects, Drivers and Certificates in github in this link:
<https://github.com/MH-TEALEB>

Language Skills:

- Arabic Native Speaker.
- Excellent command of English both written and spoken.

Personal Information:

- Date of Birth: 22 February 1994
- Marital Status: Single
- Gender: Male
- Nationality: Egyptian
- Military Status: Exempted