

Mohamed Naged Yassin

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EDUCATION

National Telecommunication Institute Professional Training Program (NTI).

Jul 2022-Nov 2022

- Embedded Systems Track
 - ✓ C and Embedded C Programming Module and Misra C Rules (120-HR).
 - ✓ Microcontroller Architecture and Interfacing with AVR Module (120-HR).
 - ✓ Microcontroller Architecture and Interfacing with ARM Cortex-M4 (120-HR).

Bachelor Degree of Engineering, MODERN ACADEMY, Faculty of Engineering

Aug 2015-May 2020

- Department: Electrical Engineering.
- Major: Electronics and Communications Engineering.
- Accumulative Grade: Good.
- Graduation Project: Smart Restaurant (OE&GO).
 - Using (Website - AVR ATmega32) (GPIO, EXTIN, UART and Timer).
 - Screen Table to View The Menu and ordering and NFC Card Payments.
 - Conveyor and IR Sensor to Deliver The Order.
- Project Grade: Excellent.

EXPERIENCE

- ELECTRICAL ENGINEER
 - ✓ EL ALAMIA FOR CARTON, Borg El Arab ,Alex.
Management, Classic Control and PLC Developer.

JUL 2020- April 2021

SKILLS

- Technical Skills
 - ✓ Programming Languages: Experience in C Language, Basic Knowledge of C++ and Python.
 - ✓ Embedded Platforms: ARM Corte-M4 (STM32F401RE), AVR (Atmega32) and ESP8266 Wi-Fi controller.
 - ✓ Peripherals Driver: GPIO, EXTI, ADC, TIMERS, PWM, RCC and DMA.
 - ✓ Communication Protocols: UART/USART, SPI, I2C.
 - ✓ Communication Automotive: CAN, LIN, FLEXRAY.
 - ✓ Data Structure for Embedded Systems (Stack - Queue - Linked List).
 - ✓ Implementation of Layers: LIB, MCAL, HAL, Application Layer.
 - ✓ Electrical and electronics background.
- Personal Skills
 - ✓ Flexible & Can Work Under Pressure.
 - ✓ Team Working & Leadership.
 - ✓ Creative & Efficient in Problem Solving.
 - ✓ Good Communication & Collaborative Team Player.
 - ✓ Analytical & Logical Thinking.
- Tools
 - ✓ Code Blocks, Atmel Studio, Eclipse IDE, Proteus, STM32CubeIDE, MATLAB.
 - ✓ Arduino, Photoshop, Microsoft office package (MS Word – MS Excel – MS PowerPoint).

COURSES

- Embedded System Diploma (NTI). JUL, 2022
- Python for Everybody (Online). OCT,2020
- CCNA Routing and Switching (Online). Aug, 2020
- Embedded C Programming (IMT School). JUL, 2019
- Classic Control and PLC (Jelecom Egypt). Aug ,2018

PROJECTS

- **Automotive Control System:**
 - ✓ Using Microcontroller STM32F401TXVE (Arm Cortex-M4).
 - ✓ Unlock car doors and open mirrors using fingerprint scanner.
 - ✓ Unlocking car doors and open mirrors using remote.
 - ✓ Locking car doors and closing mirrors using touch panel.
 - ✓ Open and close car trunk using ultrasonic sensor.
- **Smart Home:**
 - ✓ Using ATMEGA32 microcontroller with UART, keypad, LEDs, Temperature sensor (LM35), and DC Motor.
- **Door Locker Security System with Knock Pattern Password:**
 - ✓ Using AVR atmega32 microcontroller interfaced with DC motor and Piezoelectric sensor.
- **Traffic lights:**
 - ✓ A system that controls the traffic using three LEDs ,Seven Segment and BUZZER Using AVR atmega32.
- **School Management System using C and Data Structures:**
 - ✓ This project is focused on student record services in school, so it is named “School Management System”. You can create a new student, update the information of an existing student, view and manage scores, check the details of an existing student, remove an existing student, and view the students’ list.

LANGUAGE

- **Arabic: Mother tongue.**
- **English: Excellent.**

MILITARY SERVICE

- **Military Service: Finished.** **JUNE 2021-JUNE 2022**
- **Management of system and automated control of the National Service Project Authority.**

PERSONAL INFORMATION

- **Nationality: Egyptian**
- **Driving License: Available**
- **Marital Status: Single**
- **Date of Birth: 15/07/1997**
- **LinkedIn: <https://www.linkedin.com/in/mohamed-naged-90a05a226>**