

Abdullah Abdelhakeem Amer

Mechatronics Engineer

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PROFILE

- Satisfying my passion of working in automotive career and expand my knowledge by gaining more experiences.
- A Self-confident, energetic and creative person with the ability to work individually or in a team in various work environment.
- I want to become a maker of technology, not just a consumer of technology.

CONTACT



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github.com/AbdullahAbdelhakeem6484

HOBBIES

- Reading
- Writing
- Gym
- Running
- Search
- Music
- **Football**
- **Help People**

Interests

- **Embedded Systems and Embedded Linux**
- **Mechatronics Engineering**
- **Programming Language**
- **Coding and Solving Problems**
- **Internet Of Things**
- **Artificial Intelligence**
- **Machine and Deep Learning**
- **Sensor Fusion**

Education

2013 - 2018

Bachelor's degree of Mechatronics Engineering HTI 10TH OF RAMADAN, EL SHARQIA, EGYPT

Accumulative Grade: Very Good (3.18).

Graduation Project: Excellent.

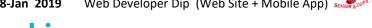
2012-2013 **General Certificate of High School.** (Gamal Abdel Nasser Secondary School)

Experience

Jul 2020 - Sep 2020 ARM Based Microcontroller Diploma, IMT Feb 2020-Mar 2020 Embedded Linux Diploma, IMT Feb 2019-Mar 2019 Embedded Automotive and AUTOSAR, MT Jun 2018-Nov 2018 Embedded System Diploma,IMT

Jun 2017-sep 2017 Embedded System Diploma, 3alemny **

Aug 2018-Jan 2019 Web Developer Dip (Web Site + Mobile App) SENOR SEP



Internship

Feb 2018-Apr 2018 Company Drinking Water and Sanitation



Jun 2017-Aug 2017 Khalid Automotive Center

Jun 2016-Aug 2016 Center for Heavy Equipment

Jun 2015-Aug 2015 Benha Electronic Industries Co



Graduation Projects

Jan.2017 - Jun.2017 "Automatic petrol Station"

- At a time When Egypt was working to improve the economy by establishing a global roads to facilitate the movement of production, our role as mechatronics engineers appeared in speeding up the process completely by making automatic petrol station.
- Automatic Petrol Filling works similar to an ATM Machine, but instead of withdrawing Money, petrol is taken without any interaction from anyone.
- The numbers of Team members were 5.
- The project took 4 months.
- I can make improvements so that, I can apply the smart gasoline card, create a database for citizens and know their consumption ,so that we can distribute gasoline fairly.
- **Tools**
- LCD

- Keypad
- Ultrasonic
- **RFID Sensor**
- **Stepper Motors**
- **Arduino Mega**

volunteer

- IEEE HTI (10^{Th} of Ramadan) as Member in **Publicity Committee.**
- Coursera (Global Translator Community) as **English Translator**

Language

- Arabic
- **English**
- French
- Germany

Personal Info

- Date of Birth: 1 January 1994
- Military Status: Completed

- C (89-90)
- C++ (12)
- Embedded C

- Java Basic
- Python3
- Microcontroller

- RTOS
- **Free RTOS**
- **Embedded Linux** SolidWorks

- **MATLAB**
- PLC (LG)

- Linux
- **RPI**
- LabView

- HTML5
- **Java Script**

- Node Js
- CSS3 **Express**
- **Angular Js**

- Cordova
- **UART**
- SPI

- 12C
 - LIN/ CAN
- OOP

- MS Office
- Testing
- Data Structures

Soft Skills

- The ability to adapt easily with the work environment.
- Quick learner.
- The ability to work under stress.
- Absorb and Learn new technologies.
- Self-motivated.
- Self-Committed and Good communicator.

Projects

- Diploma Project HTI: Metal Detector Robot (Arduino Uno and Mobile App).
- Smart Project HTI: Color detector by Image Processing of LabView (Arduino Uno, Camera, PC, DC Motor)
- Door lock system using: Keypad, LCD, EEPROM, UART, SPI and I2C.
- Line Tracking Technique => localization and mapping, orientation by Mpu6050, Wireless Module, GUI by LabView& Arduino
- Mobile controlled home (EEPROM, I2C, Solenoid, led, Bluetooth Module, Mobile APP by Cordova Platform)
- Obstacle Avoiding robot with metal detector (Atmega32, TIMER0,1 for PWM, ICU, Interrupt, Ultrasonic, Servo Motor).
- Line Follower Robot using Atmega16
- Anti-Theft Alert System using Atmega8.
- Smart Home by Raspberry pi and Python GUI (Tkinter).
- Digital Marketing LCD App by Raspberry pi3 Over Different Network.
- Voice Controlled System Over Internet by Google Assistant, IFTTT App, Web Server and Raspberry pi3.
- Build Custom Linux By Build Environment Called YOCTO (poky, BSP, Metadata, Bitbake, QEMU) and Generate Image (Linux Distribution) then Download it in SD Card of Raspberry pi3.
- Implement DIO Driver as AUTOSAR Driver.
- Implement a full module test for the DIO AUTOSAR Driver.
- Design and Implement the full Project using Software Layered architecture (Dynamic and Static Design).
- Spam Detector with python project Registration System Project.
- TODO APP by HTML, CSS, JavaScript and Cordova platform Restaurant Website Project Login and Registration page project
- ATM Machine by Raspberry pi3, keypad, Screen and Motors.

ourses Online

Udemy 🖊

- Machine and Deep Learning from scratch
- C programming
- English Conversation
- Entrepreneurship skills
- MaharaTech Moun
- Introduction to Deep Learning
- IOT

- Python
- Cyber Security
- Applied Deep Learning
- Coursera
 - Crash Course on Python, Google
 - Mathematics for Machine Learning, Imperial College London
 - Al For Everyone, DeepLearning.Al
 - .HTML, CSS and JavaScript for Web Developer
 - Python Diploma

- C#-Beginner to Advanced
- How to code by c
- SQL Querying
- ISTQB Foundation Preparation
- Java Tutorial
- Time management skills
- **Udacity U**
 - Front-End Development Track (One Million Arab Coders Initiative)
- Edx AX
 - Embedded Systems-Shape The world
 - Edraak 📑

 - Entrepreneurship
- JAVA
- English Conversational
- ICDL
- Job Interview Teamwork Skills
- Covid-19 vs Immune Nutrition and health

- Sololearn
- C#

HTML5

SOLOLEARN

Java

CSS3

Pvthon

JQUERY

- C / C++ JavaScript
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