



Mohamed Adel

Mechatronics Engineer

CAREER OBJECTIVE

I'm an ambitious Engineer who love challenge with a huge passion for programming, electronics , physics and math.
My professional career has been running on three separate but often closely related tracks: Desktop Application Development, Embedded Software Development, and Hardware Development.
I have excellent troubleshooting and debugging skills developed over I can provide consulting, software development, testing/debugging.

PROFESSIONAL EXPERIENCE

Software / Embedded Systems Engineer

BEEC Company , Egypt , EG

Nov 2021–Present

- Develop Graphical User Interface for serial communication based project
- Used Metro UI Framework to build the layout for the GUI
- Hardware Development (Microcontrollers)

Engineering Internship

Cairo Metro Lines , Egypt , EG

Jun 2019–August 2019

- How Metro Lines in Egypt works and how they are maintained(monthly, yearly)
- Learned from engineers about constructing HVAC system
- How PLC systems work from SCADA
- How technicians fix problems related to electric Elevators

Machine Learning/Data Science Course

Artronix Company , Egypt , EG

Jun 2020–August 2020

- Leaned about (OpenCV , Pandas and NumPy) Machine Learning Modules(KNN , SVC , SVM)
- Developed projects (Hangman , Banking system , Breast Cancer Detection , Wine Classification , Face Recognition , Face Detection)

CONTACT

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EDUCATION

Higher Technological Institute At Tenth Of Ramadan

*Bachelor of Mechatronics
Engineering (GPA: 3.6/4.0)*

RELEVANT SKILLS

C#

Multithreading Programming

C++ , OOP

C

Python , NumPy , Pandas

Version Control System (Git)

Database Management

System(SQL)

MATLAB

PCB Design

HTML5 , CSS3

Microsoft Office

SOLIDWORKS