



# Youssef Khaled

## Mechatronics Engineer

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5th Settlement, Cairo, Egypt

12 August, 1999

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**Military Status : Exempted**

## EDUCATION

### High School

Cleopatra Language School

### Bachelor of Mechatronics Engineering

Arab Acadmey For Science Technology

09/2017 - 07/2022

ABET Accredited , GPA : 3.0

#### Fields of Study

- Machine Design & Stress Analysis
- Hydraulic & Pneumatic Systems
- Digital Electronics & Signal Processing
- Classic Control & PLC Automation
- Operation Research & Procurement
- Internal Combustion Engines & Automotive
- Vibration Analysis & Maintenance
- C Programming & Microcontrollers
- Mechatronics Systems & Robotics

## GRADUATION PROJECT

Autonomous PV Mobile Cleaning Robot (A+)  
(09/2021 - 07/2022)

- Autonomous Vehicle that cleans Solar Cells in large Solar Farms without any human interaction

## INTERNSHIPS

### Maintenance Engineering Internship

Giza Systems

08/2018 - 08/2018

Abu-Rawash Factory

#### Achievements

- Gaining Knowledge about Production of Cables
- Diagnosing Machine Faults
- Learning How to Write Work Order

### MEP Engineering Internship

Hassan Allam Construction

09/2021 - 10/2021

Mivida Compound Project

#### Tasks

- Understanding of Technical CAD Drawings
- Supervising work on site
- Writing Reports about Workdone

## SOFT SKILLS

Time Management

Communication

Teamwork

Leadership

Adaptability

Attention to Detail

Problem Solving

## SHORT COURSES

CCNA Course (08/2017 - 09/2017)

IOT Course (01/2018 - 02/2018)

Java Programming Course (07/2018 - 09/2018)

Python Programming Course  
(07/2019 - 08/2019)

C Programming Online Course  
(07/2020 - 09/2020)

Embedded Systems Course (07/2021 - 09/2021)

Embedded C / AVR Interfacing / Memory Manipulation /  
Communication Protocols (UART , SPI , I2C , CAN , LIN)

## ORGANIZATIONS

RobEn AAST (09/2018 - 07/2020)

Head of Software Team

## LANGUAGES

Arabic ● ● ● ● ●

English ● ● ● ● ○

German ● ● ○ ○ ○

## SOFTWARE SKILLS

Office 365

Inventor CAD

Proteus

PCB

GIT

Embedded C

AVR

ARM