

Ahmed Khairy Elsawy

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Profile:

Junior Mechatronics Engineer:

- Self-control and flexibility in teamwork.
- Possess strong technical skills and knowledge of the field of work.
- Microsoft Office and presentation expert.
- Problem solving and business management.

Education:

Bachelor of Mechatronics Engineering Pyramids Higher Institute for Engineering and Technology.

Accumulative Grade: **Good (74%)**.

Graduation Project:

Design & Manufacturing of a Vertical Wall Painting Robot.

Graduation project grade: **Excellent**.

Courses and Basic Knowledge:

- Electric Vehicle Battery Management System Course.
- Electric Vehicles Comprehensive Course.
- Automotive Electrical Engineering Course.
- Automotive Mechanical Engineering Course.
- Altium Design Course.
- Practical Electronics Course.
- Introduction to Programming with MATLAB.

Technical Skills:

- **Programming Skills:** C programming – Python programming.
- **Programs:** MATLAB - VS code - MPLAB - Code Blocks - STM IDE - Car programs tools.
- **Interfacing:** GPIO – LEDs – Switches – Interrupts – Timers - ADC – PWM – LCDs – Actuators – CAN Bus LIN – I2C – SPI -UART.
- **Devices:** Vehicle diagnostic - Electronics maintenance tools - tin soldering machine - Various measuring devices.

Training Experience:

• Autotronic Maintenance and Programming Training	Aug 2024 - JAN 2025.
• Introduction to types of equipment maintenance.	July 2021 – Aug. 2021.
• Introduction to Robotics Design and Manufacturing.	Aug 2021 – Sub.2021.
• Embedded Systems Diploma	Aug 2019 - March 2020.

Languages:

- **Arabic** (Native)
- **English** (Good)