



## Ahmed Hamdy Mohamed

### Mechatronics Engineering

#### Contact

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#### About Me

I'm a Mechatronics Engineer who recently completed training at Elrashed Mercedes, where I gained hands-on experience with automotive systems. I've also completed an IoT course at Jelecom and hold a certification in Occupational Health and Safety. I'm now actively seeking a position to apply my skills and continue growing in the engineering field.

#### Education

Egyptian Chinese University (ECU)

Faculty of Engineering and Technology,  
Mechatronics Major, Automotive Department

#### Experience

intern Elrashed Mercedes

Completed training in diagnosing, maintaining, and repairing automotive systems, focusing on Mercedes-Benz vehicles. Worked alongside experienced engineers to troubleshoot and optimize mechanical and electrical components.

IoT (Internet of Things) – Jelecom

- Completed a course in IoT, learning about the integration of smart devices and sensors.
- Worked on small IoT projects, implementing connectivity and real-time data analysis solutions.
- Collaborated with teams to develop practical applications for IoT in automation and smart systems

#### Courses

Internet Of Things (IOT), From Jelecom

Fundamental Principles of Occupational Health and Safety

#### Projects

- Solar Tracking System (Graduation Project)  
Designed and implemented a solar tracking system with two-axis movement using ALDR sensors. This project allowed solar panels to follow the sun's position for improved energy efficiency. I was responsible for the sensor integration, system design
- Ultrasonic Car Movement Using Sound  
Developed a system using Arduino and ultrasonic sensors to control the movement of a car based on sound commands. The project involved programming the Arduino to process sound signals and move the car in different directions

#### Languages

Arabic: Native  
English: Very Good Proficiency

#### Skills

Soft Skills: Problem-solving, Effective communication,  
Team collaboration, Adaptability, Critical thinking,  
Attention to detail, Time management

Technical Skills: SolidWorks, Sensors & Actuators Integration