MOHAMED EID MOHAMED

MECHATRONICS TECHNOLOGY ENGINEER

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Education

Higher Technological Institute, Beni Suef

Bachelor's Degree in Mechatronics Technology (Expected Graduation: 2026)

- Ranked 3rd in first year and 4th in second year.

Objective

I am a Technology Engineer specializing in Mechatronics, set to graduate in 2026 from the Higher Technological Institute in Beni Suef. I have a strong background in designing engineering systems using tools such as SOLIDWORKS, AutoCAD, and MATLAB. I have also completed specialized courses in automation, including Classic Control, PLC, and Motor Drives.

I gained hands-on experience during my training at the Karamat Power Plant, where I worked on the maintenance and operation of electrical systems. I am passionate about expanding my skills in Mechatronics, automation, and technology engineering.My goal is to find opportunities to utilize my knowledge and advance professionally in this exciting field.

Skills

Technical Skills & Courses

- **SolidWorks, AutoCAD, MATLAB:** Self-learned with practical focus on 3D modeling, 2D drafting, and control system simulations.
- **Classic Control:** Trained at **Robotaji Academy** with hands-on experience using **Automation Studio** for designing and implementing control circuits.
- **PLC Programming:** Completed a **Basic PLC** course at **Robotaji Academy** with practical application using **TIA Portal** and **SIMATIC Manager** for automation projects.
- **Motor Drives:** Worked on **INVT 20** drive system for motor speed control and diagnostics.
- **Microsoft Office:** Proficient in **Excel**, **Word**, and **PowerPoint** for data analysis, reporting, and presentations.

Soft Skills

- Communication
- Teamwork
- Problem-Solving

- Time Management
- Adaptability
- Leadership
- Critical Thinking

Internship & Training Experience

- **Upper Egypt Electricity Production Company** (August – September 2023)
  Trained in electrical systems maintenance and operation
- **Robotaji Academy**
  Completed courses in Classic Control, Motor Drives, and PLC Basic with practical application in automation projects and industrial control systems.

Projects

- **Smart Shopping Trolley (Theoretical Project):** Designed a concept for a smart trolley using sensors and automation technology to enhance shopping efficiency.
- **Robot Hand Moving Using Muscle Signals (Practical Project):** Developed a robotic hand controlled by muscle signals using **EMG sensors** and **Arduino**, demonstrating real-time control.

Language

- Arabic (native)
- English Very good (Fluent in writing and reading; good in speaking and listening)