

## **Mahmoud Mohamed Ahmed**

Mechatronics Engineer

+201032955864 | [mahmoudelshemy387@gmail.com](mailto:mahmoudelshemy387@gmail.com)

Maadi,Cairo

### **Objective**

Motivated Mechatronics Engineer with a strong educational background in robotics, automation, and control systems. Seeking to leverage my knowledge and academic projects to contribute to innovative solutions in engineering fields.

### **Technical Skills**

- Basic programming in Python, MATLAB, and C/C++.
- Basic understanding of control tools (PID, PLC).
- Basic experience with CNC machining systems.
- Familiarity with Agile and Scrum project management methodologies.

### **Training**

Intern – Automation Engineer @Siemens [12/2023] – [12/2023]

Gained exposure to automation systems and control processes.

### **Education**

Bachelor's Degree in Mechatronics and Industrial Robotics Engineering

Faculty of Engineering, Minia University

Graduation Year: [2024]

Grade:2.35/4

### **Projects**

- Ball on Beam Using PID Controller  
Developed a control system to stabilize a ball on a beam using PID algorithms.
- Graduation Project: Aluminum Recycling Cans Factory – Industry 4.0  
Designed and implemented a smart recycling factory concept using Industry 4.0 technologies to enhance efficiency and sustainability.

### **Languages**

- Arabic: Native
- English: Intermediate

### **Personal Information**

- Date of Birth: 31/12/2001
- Nationality:Egyptian
- Marital Status:Single

- Military Status:Exempted