# Mohamed Elzeftawy

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## Objective

First-year **Robotics and Automation Engineering** student at the **German International University (GIU)** with a strong interest in embedded systems, control theory, and intelligent automation. Passionate about developing technical and programming skills through hands-on projects and continuous learning. Currently exploring coding in Python and C alongside coursework to build a foundation in robotics, automation, and data-driven systems. Eager to gain practical experience that bridges theoretical knowledge with real-world engineering applications.

## Education

**German International University (GIU), Cairo, Egypt** *Oct. 2025 – Present*
*BSc in Robotics and Automation Engineering*

- **Focus Areas:** Renewable Energy Systems, Power Electronics, Smart Grids.

**Ajyal International School, Abu Dhabi** *Sept. 2022 – June 2025*
*High School Diploma (Grade: 95%)*

- **Key Courses:** Mathematics, Physics, Chemistry, Biology, Environmental Studies, English, Arabic.
- **School Achievements:** Senior Committee member, organized events and activities to enhance student engagement.

**The International School of Choueifat, Abu Dhabi** *Sept. 2010 – June 2021*
*Grades 1–9*

## Skills & Certifications

**Electrical & Technical Skills:** Circuit Analysis, Breadboarding, Multimeter Testing, Soldering
**Programming & Languages:** Python, JavaScript, SQL, MATLAB, Arduino, C++
**Software & Tools:** Microsoft Office (Word, Excel, PowerPoint), Tinkercad, Proteus, AutoCAD (Basic), GitHub, Linux
**Soft Skills:** Teamwork, Problem Solving, Communication, Time Management

## Experience

**Junior Software Developer** *Remote*
*AmMart (Ammar Elzeftawy Consulting Project)* *Sept. 2025 – Present*

- Contributing to the development of **AmMart**, a SaaS e-commerce automation platform built with **React**, **FastAPI**, and **PostgreSQL**, enabling businesses to manage online sales, inventory, and customer engagement from a single system.
- Integrated **external APIs** including **Facebook**, **Temu**, and **eBay** to automate order processing, product synchronization, and customer communication.

## Projects

**Email Sender** ⬈ *2025*

- Developed a simple **user interface** that connects to an **email sender API** to send messages directly from the app.

**Basic Circuit Design Project** *2025*

- Designed and built a simple circuit using **resistors**, **LEDs**, and a **breadboard** to study voltage division and current flow as part of an introductory electronics course.

## Hobbies & Interests

- Tinkering with gadgets and electronics
- Playing football
- Gaming and exploring new technology