Omar Sherif Omar Computer Engineering Student

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Computer engineering student with a strong interest in sustainable design, automation, and real-world problem solving. Ranked 11th in class and experienced in hands-on projects involving Arduino, SolidWorks, and IOT systems. Known for combining technical skills with leadership through roles in student union and organizations, national competitions, and NGO work. Focused, curious, and driven by work that creates meaningful impact.

Education

BSc in Computer Engineering, *Université Française d'Égypte*　Sep 2024 – present
First Semester: **17.24 / 20** Moyenne, Ranked **11th** in cohort

STEM High school diploma, *Fayoum STEM High School*　Sep 2021 – Jul 2024
- 3.8 unweighted GPA
- Student of the Year 2023
- Vice-President and President of Student Union (2022–2024)

Professional Experience

Brilliant JAK

Junior Instructor intern　May 2023 – Sep 2023
Led STEM workshops for ages 8–16, including robotics, RC cars, and project showcases like smart home simulations.

Junior Instructor intern　May 2022 – Sep 2022

Projects

Stutter reduction system
Worked on a project that aids people who suffer from stutter experience less stuttering using a wearable device

Developing a smart bracelet to aid people with visual impairment
Smart bracelet that aids people with visual impermeant in their daily life using an ultrasonic, GPS, and camera to identify and classify currencies and send it to the person via pattern of vibrations on his fingers

Constructing a sustainable feedback system for agriculture
A smart greenhouse with a built-in feedback system that monitors and adjust the inner temperature, humidity, and light intensity of the greenhouse besides having a pest repelling system

Climate Change through generations short documentary
Filmed and edited a short documentary talking about the perspective of different generations on how they view climate change

CanSAT Satellite Simulation
Designed and launched a mini satellite simulation system with atmospheric sensors and a camera

Industrial Wastewater Treatment Prototype
Developed a multi-stage filtration system for oil industry wastewater using polyelectrolytes, sand, calcite, and activated carbon

Organisations & Activities

mustadeem.eg, *President*   Oct 2024 – present

mustadeem.eg, *Co-founder & Chairman*   Jul 2022 – Oct 2024
  Launched an eco-education summer program, led coastal cleanups with Banlastic, grew
  Instagram to 1K+, and hosted a climate webinar with a Fulbright scholar.

Enactus UFE, *Project management member*   Nov 2024 –
  - Recognized as **Member of the Month**   Jun 2025

Fayoum STEM School, *Vice-President of the student's union*   Sep 2023 – Jul 2024

Fayoum STEM School, *President of the student's union*   Sep 2022 –
                                                                        Sep 2023

Awards & Honors

Hult prize UFE precipitation, *Hult prize UFE*   16 Feb 2025

ISEF pre-national qualifier, *International Science and Engineering Fair Egypt*   2024

2nd Place at Inspection Solution for Dangerous Industrial Equipment Competition,   Dec 2024
Québec, UQAT, UFE
  Competition organized by UQAT, UFE, and Québec, featuring teams from the French
  University of Egypt and Canadian universities (UQAT and Québec).

Student of the Year, *Fayoum STEM School*   2023
  Awarded Student of the Year for outstanding academic achievements, leadership, and
  positive contributions to the campus community

First place CanSAT Competition, *Egyptian Space Agency*   Sep 2022
  Competed with bunch of other STEM Schools on building a CanSAT and succeeded to
  achieve the first place

Courses

SolidWorks CSWP Preparation Course, *Engovation*   Jan 2025 – Feb 2025

Languages

Arabic   **English**   **German**   **French**
  Native   IELTS 7.0   A1   A1

Skills

- SolidWorks   - Arduino C++   - Python   - C#

- Communication   - Teamwork   - Problem Solving