

Eman Refai

ACTIVITIES: Mechanical Engineer

- Aerodynamics, and Body Volunteer, E-Rally Helwan Racing Team (since 2022-current).
 - Developed a Drag reduction system mechanism to be used in **the Global Electric Vehicle Challenge (GEVC)** hosted on **the United Arab Emirates** lands using SimScape (**March 2023**).
 - Designed and Simulated Urban car body for the **Shell Eco Marathon** Competition using Fusion 360 and ANSYS (September 2023).
- WIE AG Technical Member at the **IEEE Helwan** Student branch (September 2022 to August 2023).
 - contributed to robotics sessions for high school girls to explain the mechanical mechanisms of moving robots.
 - Organized a Robotics Competition for high school girls at Saint Mary Language High School.
- Magazine and Membership member at **IEEE Helwan** Student branch (February 2021 to September 2021).
 - Wrote an article about artificial intelligence and Machine Learning.

ACHIEVEMENT:

- As a part of Helwan Racing Team (**E-Rally**), we won:
 - 1st Place for a Prototype EV.
 - 4th Place for an Urban Gasoline Vehicle.

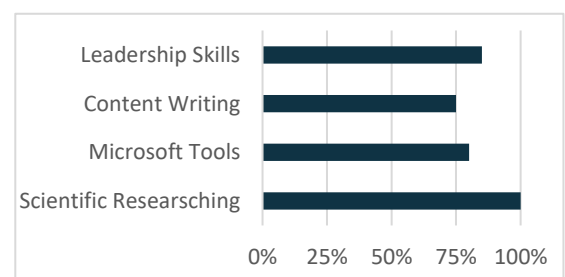
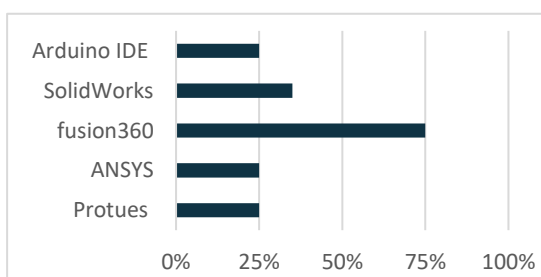
In **Shell Eco-Marathon** (SEM) pitch competition (**September 2023**).

- As a part of Helwan Racing Team (**E-Rally**), we won.
 - 1st place Presentation Award
 - Preservation Award
 - The 3rd place overall the competition among middle east universities in the **Global Electric Vehicle Challenge (GEVC)** hosted on **the United Arab Emirates** lands (**March,2023**).
- we won the **Best Scientific and Biology Award** for our unique project about space agricultural in the seventh edition of **NASA Space Apps Cairo**, (**October,2021**).
- I won with my mates the **First place** in the first edition of the **Egyptian Space Summit (ESS)** that was held in Nile university (NU) with a cooperation with the **Egyptian Space Agency (EgSA)** (**September 2021**).

Summar Internships and Experience:

- Mechanical Engineer Intern at **The Simple technology Solar Centre Company (STSC)**(August,2023)
- Mechanical Engineer Intern at **The Egyptian Company for Metro (ECM)** (September,2022)
- Mechanical Engineer Intern at **North Cairo Electricity Distribution Company**, (Augusr,2021).

SKILLS:



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SUMMARY

- Experience with SolidWorks, ANSYS, Fusion360, SimScape, and Microsoft Excel
- Volunteer at IEEE HSB and E-Rally Helwan
- self-motivated, highly organized, have excellent communication and social skills
- Native Speaker of Arabic
- Conversational English Speaker

EDUCATION

B.A. in Mechanical Engineering, Helwan University, Mattaria branch (2019-current)
With Accumulative GPA: 3.15