

Rawan Mostafa

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Education

Helwan University B.Sc. in Computer Science and Artificial Intelligence | Helwan, Egypt | **GPA:** 3.43

Maadi STEM High School Cairo, Egypt | 2020-2023

Projects

Web Development

- The [ASTRO](#) project is a website that displays images of the universe. The website also includes a video section skill reviews, and subscription and contact forms, enhancing user engagement.
University project
- Worked with a team to make an Egyptian tourism website ([HiEgypt](#)). The responsive website is made by using HTML, CSS, and JavaScript. The website features interactive elements and utilizes local storage to save user data, improving the user experience. The project demonstrates my skills in front-end development. I made the home page, about Egypt and the first theme.
Nasa Space Apps Cairo
- Made a website that represents one of the Earth's superpowers that could help or possibly eliminate something that harms the planet in general. The project is about phytoplankton and how it is important as it produces oxygen to save the Earth from global warming and how we can increase its efficiency to grow and produce more oxygen. I made a fictional character called Mr. Super Plankton that helps the user understand the website ([SuperPlanktons](#)).

Honors and Awards

- **Egyptian Space Agency competition for STEM students:** 3 days of working on a CanSat project that consists of ESP32, ESP32-CAM, 10 DOF IMU, DHT22, and micro SD card. the mission was to make this CanSat take images of the Earth while launching, measure the temperature, humidity, and pressure of the atmosphere, measure the angular velocity and acceleration and the Earth's magnetic field and finally store all of these data on the ground station.
- **Founders Lab Spring 2021 No Code Hackathon:** Participants have free 72-hour access to our app builder to design a mobile application. I designed a mobile application that can help people find doctors around them and talk to them easily in addition to some health advice.
- **International Astronomy and Astrophysics Competition:** An international competition where participants show their knowledge by solving astronomy and astrophysics problems in the Qualification Round, solving research problems in the pre-final round, and online MCQ exam in the final round.

Courses

IEEE Texos Event

IEEE

Apr 2021

- Attended sessions to learn the basics of HTML, CSS, and JavaScript. At the end of the event, I participated in their hackathon with a website project that indicated how global warming affects us and showed some solutions to save the environment.

Web Development Challenger Track

Egypt FWD

Apr-May 2021

- 5 weeks of learning how to debug HTML and CSS code, display website elements, and build a responsive website layout. Digital freelancing training for 2 weeks, learning how to manage a project, discuss the project's parameters and the prices.

Arduino

Sep 2021

- Learned how to make an RC car that can be controlled by a mobile application and using RoboMind.

Extracurricular Activities

IT& Web Development Volunteer

IEEE Helwan SB

Sep 2021

- Took some advanced sessions in coding. After finishing the training, I started giving HTML and CSS basics sessions to my high school sophomore and junior students on how to make their websites. After the sessions, there was another Texos event where I evaluated student projects.

Academic Committee.

STEM Astronomy Club

Mar 2021

- 9+ months of learning astronomy concepts. I learned how to use LaTeX to write the equation "distance modulus." In the end, I was chosen to give a session about stellar evolution in my school for students interested in astronomy.

Skills

- HTML | CSS | JavaScript | C++ | C | Python
- Languages: Arabic (Native), English (Fluent - TOEFL 92), French (Intermediate).