

# Rawan Mattar

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## PERSONAL PROFILE

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Dedicated and high-achieving STEM student seeking a bachelor's scholarship in engineering to further develop my expertise in AI, cybersecurity, and embedded systems. Strong foundation in programming, data analysis, and problem-solving, with hands-on experience in AI, machine learning, and project-based learning. Proven leadership in volunteer work and team collaborations, demonstrating adaptability, teamwork, and critical thinking. Passionate about leveraging technology for innovative solutions in engineering.

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## EDUCATION

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### Ismailia STEM High School | Ismailia, Egypt | 9/2022 – 7/2025

- Cumulative **GPA:** 3.8/4.00.
- Clubs: Music club, Physics club.
- Projects:
  - **Monitoring System for Plant Health:** Designed using sensors to track environmental conditions and optimize plant care with Arduino.
  - **Simple Smart Home System:** Developed a prototype to automate Gas leakage, motion, and temperature control with ESP 32.
  - **System for Purifying Car Wash Water:** Created a filtration system that recycles water for eco-friendly car washing.
  - **Generating Electricity from Water Movement:** Developed a prototype that generates energy from flowing water, focusing on energy conservation.

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## SKILLS

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| • <b>Software tools:</b> | <i>Excel, PowerPoint, Word, vs code, Arduino Uno.</i>  | <b>Technical skills:</b> Strong               |
| • <b>Soft skills:</b>    | <i>Leadership, Presentation skills, teamworking, responsibility, Adaptability, Problem solving, time management, Multiple tasking.</i> | <b>Soft skills proficiency:</b> Expert        |
| • <b>Communication:</b>  | <i>Written and oral communication: Arabic, English</i>   | <b>Language proficiency:</b> Native, advanced |

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## **PROFESSIONAL EXPERIENCE**

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### **DIGITAL EGYPT CUPS INITIATIVE | LEVEL 3 | Cyber Security | OCT 2023- OCT 2024**

- This scholarship is from the Ministry of Communications and Information Technology.
- studied Many topics about networks and cyber security
- Attended eight sessions related to soft skills and worked on a project with a team of three.
- Attend a three-hour online session every week and completed tasks and labs with my team at the end of the session.
- Passed an exam every month.
- Attend four-Hour session every month to apply the content.
- Completed two project using python and Virtual machine.

### **Resala CHAIRTY (STEM) | LEADER OF NASR CITY BRANCH| SEP 2023- SEP 2024**

- Leader of 50 volunteers in the Nasr City branch.
- Led two visits to the charity every week, each lasting more than five hours, It extended to four visits during holidays.
- Participated in various activities, including:
  - Preparing meals and distributing them to the poor.
  - Cleaning mosques and streets.
  - Collecting donations.
  - Distributing clothes to the poor.
  - Visiting orphans and elderly people.
  - Inviting others to volunteer with us online and offline.
- Recognize online sheets for the visits and volunteers.
- Was an organizer for large camps and events.
- Participate in two competitions and got the first rand across the republic

### **DEGITAL EGYPT CUNS INITIATIVE | LEVEL 2 | OCT 2022 -OCT 2023**

- This scholarship is from the Ministry of Communications and Information Technology.
- studied an introduction to Python cyber security, web development, data analysis, digital arts, and embedded systems.
- Attended eight sessions related to soft skills and worked on a project with a team of three.

- Participated a monthly three-hour online session and completed tasks and labs with my team at the end of the session.
- Passed an exam every month.
- Attend four-Hour session every month to apply the content.
- Completed one project using Python.

## **AI PRGRAMMING WITH PYTHON (AWS AI&ML) | MAY 2023- OCT 2023**

- I was the youngest student in this program.
- Learn about python, data analysis data visualization, machine learning, and deep learning.
- Attend a three-hour online session every week with an instructor and student from different countries. In addition, Passing two projects.

## **MODEL UNITED NATIONS | HR MEMBER | OCT 2022- OCT 2023**

- Was the best member.
- Led group of two members from content writing members.

## **TERRE DES HOMMES | UNICEF | VOLUNTEER | JAN 2018**

- Painted the walls of the school and my classroom.
- Participated in painting projects to enhance the school's appearance.
- Attended self-protection sessions.

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## **HONORS**

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### **RESALA'S CUP | RESALA CHAIRTY | LEADER OF THE TEAM |FIRST PLACE IN THE REPUBLIC | 1/8/2024 —8/8/2024**

- In this competition 5000 pounds have collected.
- Preparing meals and distributing them to the poor.
- Cleaning mosques and streets.
- Fed animals.
- Collected and donated old study books and clothes to charities for distribution to those in need.

### **KHAIR COMPETITION | RESALA CHAIRTY | LEADER OF THE TEAM |FIRST PLACE IN THE REPUBLIC | 1/7/2024 – 8/7/2024**

- In this competition 5000 pounds have collected.
- Preparing meals and distributing them to the poor.
- Cleaning mosques and streets.
- Fed animals.

### **ISEF | REGONAL | 2023**

- Project: Developed an image classifier to help students identify and classify different planets. The project utilized machine learning techniques to analyse images and provide accurate planet classifications.

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## LANGUGES

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- **Arabic:** Native
- **English:** Strong proficiency in all skills
- **IELTES band:** 6