

# Yassen Ahmed Eid

## STUDENT

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## PROFESSIONAL SUMMARY

I am a high school student at Qena STEM School with a strong passion for scientific research and technology. I've developed innovative projects like an electric fencing sword and an alternative solar cell, both submitted for patents. As an Embedded Software and Frontend Developer, I've built real-world projects using Arduino, C/C++, and modern web technologies.

I've competed in 25+ national competitions (ISEF, IEEE, ITC, STEMCO, NASA Assiut) with top rankings, and completed 110+ certified courses in AI, programming, project management, and design. I also hold leadership roles in science and community initiatives across Egypt.

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## EDUCATION

Sep 2012 – May 2020

**Sunrise school**, Elementary School

Sep 2020 – May 2023

**El-Shaheed Mohamed Anwar Sadat**, Preparatory School

Sep 2023 – Aug 2026 (expected)

**Qena STEM School**, High School

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## SKILLS

-Project Management	-Problem Solving	-Communication
-Research & Data Analysis	-Graphic Design	-Marketing
-Business Leadership	-Web Development	-Flexibility
-Programming (Python, Java, C)	-Embedded System	-ICDL Certified
-Emotional Intelligence	-Public Relations	-Organizing
-Human Resources	-Video Editing	-Arduino

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## LANGUAGES

- Arabic — Native
  - English – Fluent
  - French – Basic
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## PROJECTS

- **Electric Fencing Sword** – Embedded safety system (Patent filed)
- **Alternative Solar Cell** – Renewable energy project (Patent filed)
- **Khedr Green System** – Smart agriculture project (Patent filed)

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## ACHIEVEMENTS

- **1st Place** – IEEE IC-FTAI Conference
- **1st Place** – Suhag Expo
- **1st Place** – Upper Egypt Competition
- **1st Place** – Best Project Presentation at Rowad 2030 Camp
- **1st Place** – Young Inventor Social Service Competition
- **2nd Place** – IEEE IEI National Competition
- **2nd Place** – General Ranking at Rowad 2030 Camp
- **2nd Place** – Intel ISEF Egypt
- **3rd Place** – Nile University UGRF (Engineering Projects)
- **3rd Place** – ITC (Air Defense College)
- **3rd Place** – Science Fair
- **4th Place** – National Council for Child Culture
- **5th Place** – NASA Assiut
- **10<sup>th</sup> Place** – ISEIC
- **Honored** – By Minister of Education at National Excellence Ceremony

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## COURSES & CERTIFICATIONS

- **Artificial Intelligence** – HP Foundation
- **Digital Marketing** – Google
- **Internet Of Things** – Cisco
- **International Computer Driving License (ICDL)** – Edraak
- **Marketing for Startups** – FORSA
- **Project Management as a Life Skill** – Edraak
- **From Idea to Company** – EEIC
- **Sales Management & Digital Product Building** – EEIC
- **Startup Governance & Funding** – EEIC
- **Business Model Canvas** – FORSA
- **Digital Analytics & Online Selling** – HP
- **Public Speaking Skills** – Edraak
- **Emotional Intelligence** – Edraak
- **Coaching & Mentoring Skills** – Edraak
- **Leadership & Teamwork Skills** – HP
- **Time Management & Self-Improvement** – EDLAL
- **Creative Thinking & Innovation** – Edraak
- **Scientific Research Methods** – Edraak
- **Systems Thinking in Health** – FORSA
- **Solid Waste Management** – Edraak
- **Renewable Energy Basics** – EDLAL
- **Idea Testing for Startups** – EEIC

## Offline Courses

- **Artificial Intelligence Course** – AIM
- **The Little Inventor Program** – KIT Corporation
- **English Language Training** – SCCD
- **G-MAS Science Camp Workshops** – Practical STEM training
- **Arduino Training** – Fab Lab, Qena STEM School

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## EXPERIENCE & ACTIVITIES

### IEEE Competitions (IC-FTAI, IC-SIT, IEL, IC-ESI)

**2023 – 2025**

Won 1st and 2nd place in multiple national tech and innovation competitions organized by IEEE. Recognized for embedded systems and entrepreneurship.

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### ISF

**2025**

Ranked 3rd nationally for presenting a space-focused environmental tech solution.

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### Intel ISEF (Egypt National Finalist)

**2023 – 2025**

Qualified to national stages of Intel ISEF across multiple years. Projects included alternative solar technology and health safety systems.

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### NASA Assiut Challenge

**2024**

Ranked 5th nationally for presenting a space-focused environmental tech solution. Recognized for creativity and technical feasibility.

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### Nile University UGRF (Undergraduate Research Forum)

**2024**

Placed 3rd nationally in the engineering track. Presented a sustainability-focused prototype to professors and engineers.

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### Kangaroo Science Olympiad

**2024**

Participated in an international science and math Olympiad. Demonstrated analytical problem-solving in a global competition.

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### STEMCO Olympiad – Egypt's STEM Championship

**2024**

Won silver medals in Chemistry, Biology, Physics, and a bronze in Mathematics. Selected to represent Egypt in Singapore.

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### ITC National Innovation Fair

**2024**

Won 3rd place nationally. Exhibited a tech-based solution at the innovation fair. Project was praised for its practicality and social impact.

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**ISEIC – Air Defense College Competition****2023 – 2024**

Won 10th place nationally. Project focused on alternative energy and was ranked among the top 10 technical innovations.

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**Suhag Science Exhibitions (3 Editions)****2021 – 2024**

Participated in three consecutive editions, winning top places. Presented electronic and energy-efficient inventions.

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**Eratosthenes Earth Measurement Project (Official Organizer)****2019 – 2024**

Led an annual science activity involving the measurement of Earth's circumference. Coordinated with national and regional participants.

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**Climathon – Youth Climate Hackathon****2023**

Developed a climate-change mitigation concept using technology. Solution targeted schools and local governments for sustainable practice adoption.

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**Rowad 2030 Innovation Camp – Ministry of Planning****2023**

Chosen as one of the top 60 students nationwide. Led the team that won 1st for project presentation and ranked 2nd overall.

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**Social Service Competitions (Multiple Wins)****2017 – 2023**

Earned 1st place multiple times in regional competitions focused on leadership, problem-solving, and community engagement.

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**Keep It Green Initiative – Beni Suef & Fayoum****2023**

Led a regional sustainability campaign targeting environmental awareness and school-wide green initiatives.

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**Co-Founder – QSS Club****2022 – Present**

Founded and managed a STEM-focused student innovation club. Provided peer education in programming, business, and public speaking.

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**Alternative Solar Cell Project****2022 – Present**

Built a renewable energy prototype using eco-friendly materials. Submitted for patent and featured in multiple science fairs.

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**Electric Fencing Sword Project****2022 – Present**

Invented a fencing sword with built-in safety electronics. Patent submitted. Awarded in national competitions including ISEF.

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## **Inventor Against COVID-19 Initiative**

**2021**

Participated in innovation challenges aimed at supporting communities during the pandemic. Developed tech concepts for low-cost protection.

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## **LEADERSHIP & VOLUNTEERING**

- **Co-Founder** – QSS Innovation Club
- **Head of HR** – IYNA Club, Qena Branch
- **Head RSTC** – Resala STEM Training Center
- **Leader** – Keep it green initiative BNS branch
- **Resala STEM** – Volunteer
- **Event Organizer** – Eratosthenes Earth Circumference Project
- **Event Organizer** – Planet of Knowledge