

# Mohamed Ezzat Kamel Amin

📍 Abu Hammad, Sharkya, Egypt 📩 mohamed2005.ezzat@gmail.com

in <https://www.linkedin.com/in/mohamed2005-ezzat/> ↗ <https://mohamed-ezzat.me/>

## Education

10/2020 – 07/2023  
Sharkya, Egypt

### **Sharkya STEM High School**

- STEM Honors Diploma, GPA: 3.84

## Experience

05/2022 – 07/2022

### **LaunchX Entrepreneurship Program | Student (Launchie)**

- Got full scholarship with \$5,955. Attended daily informative 90+ sessions. Completed weekly labs and simulations. Launched a real startup; Awarded “Top Startup Pitch” honor.

10/2021 – present

### **Hack Club | Founder and Leader**

- Founded Sharkya STEM Hack Club. Led organizing workshops for 100+ trainee, contests, hackathons, and Facebook experts panel in computer science fields: competitive programming, web development, app development, robotics and cyber security.

07/2022 – present

### **EnSpirer Business Club | Co-Founder and Vice-President**

- Led a one-month intensive course, teaching business and entrepreneurship for 50+ international students. Provided MBA professors to teach students. Mentor of Economics, Business Research, Prototyping sub-clubs.

07/2022 – present

### **Arab Math Olympiad | Trainee**

- Attended 50+ sessions about algebra, geometry, number theory, and combinatorics. Completed daily tasks and assignments. Top 10 at Egypt qualifications.

06/2022 – present

### **Swap O'clock | Co-Founder and CTO**

- Co-founded Swap O'clock in LaunchX, an IOS application that allows parents to control the time spent on Educational and Entertainment apps by adjusting a ratio between their screen time. Got profit \$325 in one week.

06/2022 – 07/2022

### **Yale Young African Scholars | Scholar**

- Attended university guidance, career and social impact exploration, academic seminars, and family-time sessions. Completed tasks and assignments.

02/2022 – 03/2022

### **Codebozu Fellowship | Fellow**

- Completed python advanced level course. Developed image processing project using OpenCV and NumPy. Attended sessions for Cornell University instructors.

06/2021 – 10/2021

### **Sharkya STEM Model Arab League | Chairman**

- Led a conference debating controversial issues in the Arab World and Middle East, Facebook posts to raise social awareness, training for 90+ members and delegates.

10/2021 – 05/2022

### **Student Union | Head of Social Committee**

- Planned 10+ field trips for capstone project for 3++ students. Held fun-days that included football, ping-pong, and chess tournaments. Improved food and dorms quality.

07/2022 – 07/2022

### **Egyptian Space Agency Training (EgSA) | Trainee**

- Attended a one-week Can Sat training, representing my school. Developed a Can Sat using ESP32, DHT11, MPU9250, BMP280. Awarded 4th place on Egypt STEM Schools.

06/2022 – present

### **English-To-Arabic Translator**

*Coursera*

- Translated more than 5000 words of Coursera online courses.

## Honors

07/2022

### **International Finalist in the International Physics Olympiad (IPhO) and Second Place on Egypt**

07/2022

### **Attended the International Telecommunications Conference (ITC 2022)**

05/2022

### **Third Place on Egypt in the International Math Olympiad (IMO) Qualifications**

04/2022

### **First Place on Egypt in International Purple Math Comet Meet and 21st Place Globally**

03/2022

### **National Finalist and 17th in International Informatics Olympiad in Teams (IIOT)**

03/2022	<b>Third Place Winner in Aquathon Entrepreneurship Competition</b>
02/2022	<b>Egyptian Science and Engineering Fair (ESEF) National Finalist</b>
02/2022	<b>National Semi-Finalist in The Diamond Challenge Entrepreneurship Competition.</b>
01/2022	<b>Tatawar Entrepreneurship Program MENA Region Semi-Finalist (top 200 out of 5,000)</b>
12/2021	<b>Gold Honor in International Youth Math Challenge (IYMC)</b>
10/2021	<b>First Place Winner and Global Nominee in NASA Space Apps</b>
07/2021	<b>Bronze Honor in International Astronomy and Astrophysics Competition (IAAC)</b>
12/2020	<b>Bronze Honor in International Youth Math Challenge (IYMC)</b>
10/2020	<b>Ranked 26th/17,000 in STEM Schools Admission Test</b>
10/2020	<b>Ranked 3rd/5000 in Motafawkeen Ain Shams School Admission Test</b>
	<b>Bronze Medal in Kangaroo Math Egypt</b>
	<b>Bronze Medal in Kangaroo Science Egypt</b>

## Projects and Publications

02/2022 – 03/2022	<b>CodeBozu Fellowship Project</b> Python software using Numpy and OpenCv for different image processing tools.
10/2021 – present	<b>IoT Solar Based System for Atmospheric Water Generation</b> The project generates drinkable water from the air depending on sun irradiance and desiccant adsorbing humidity during the nighttime. Mineralization occurs with feedback control system regarding TDS and pH levels using IoT system.
11/2021 – 02/2022	<b>Respi-Pro</b> Designed the Respi-Pro mask, a smart mask that, in addition to functioning as a traditional face mask, has the features of a health tracker (heat tracker, heartbeat counter, etc.) as well as a breath analyzer to early-detect some chronic diseases (including diabetes as our primary focus); developed a business plan and marketing strategy; created a complete pitch deck presentation.
09/2021 – 10/2021	<b>Go-Green</b> The Go-Green application was built to help solar cells users increase the efficiency of their cells. It operates by obtaining sun-related data from NASA's API and visualizing it to the users through graphs and charts. The entire project was completed using react-native and its accompanying libraries.
07/2022 – 07/2022	<b>Can Sat Egyptian Space Agency</b> Can Sat software and hardware model with ESP32 to measure gravitational field, temperature, humidity, etc.
09/2022 – present	<b>IoT CO2 Aqua Analyzer</b> Modeling relations between CO2 concentration in the air, pH of ocean water, and air temperature and expecting future values using IoT system and GUI to view the use with information needed, spreading awareness.

## Languages

<b>Arabic</b> Native Language	<b>English</b> High Proficient, DET: 130	<b>French</b> Beginner Level
----------------------------------	---	---------------------------------

## Skills

<b>STEM</b>	<b>Entrepreneurship</b>
<b>Computer</b> MS Office, Adobe Illustrator, Competitive Programming, Web Development [HTML, CSS, JS, SCSS], Python, C++	<b>Research</b>
<b>Soft Skills</b> Leadership, Teamwork, Graphic Design, Public Speaking	

## Hobbies

<b>Table Tennis</b> The second place in table tennis school tournament.	<b>Chess</b> Rated 1400+ on Lichess
--	--