Mohamed E. Soliman

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in LinkedIn Profile

🪪 Professional Summary

I'm Mohamed Soliman, a rising senior high schooler at Gharbiya STEM High School in Egypt with a huge passion for computer science and entrepreneurship. I'm developing my passion for both areas by searching out more opportunities, learning more about the two fields, and gaining hands-on experience. I aim to continue improving until possessing the mindset and the skillset required to become a pioneer who will have a positive impact on his community in the coming few years. In my free time, I enjoy reading novels, watching Marvel Cinematic Universe movies, and listening to classic Egyptian music.

Currently, I aspire to pursue my undergraduate degree in a USA top university, where I can reach out to new domains of knowledge and find a medium that helps me develop my mindset and skillset further!

🎓 Education

Gharbiya STEM High School, *High School*   Oct 2020 – Jul 2023
- *STEM Honors Diploma.*   Tanta, Egypt
- *Grade: A (4.00/4.00 GPA).*

Launch-X Entrepreneurship Program, *Summer Program*   May 2022 – Jul 2022
- *Founded at MIT, LaunchX is a highly selective summer startup incubator for high school entrepreneurs from across the globe (<10% acceptance rate worldwide).*
- *Received a full scholarship of $5,960.*

💼 Extracurricular Activities

Co-Founder & CTO, *Xceleration*   Jun 2022 – present
- Co-founded Xceleration, a platform that allows high and middle school students to find competitions and summer programs based on their skills and interests.
- Users are also able to book short meetings with successful high schoolers and university graduates to discuss their pre-college career queries and concerns.

Co-Founder & Instructor, *Gharbiya STEM School Business Club*   Jun 2022 – present
- Co-founded a business club to teach high school freshmen and sophomores about business and entrepreneurship.
- Organized weekly sessions and monthly workshops.

Senior Researcher, *Youth Science Journal*   Jun 2022 – present

- Selected along with 14 other persons from an application pool of 300+ applications to serve as a senior researcher in the Youth Science Journal, the most reputable youth-run journal in Egypt.
- Completed an intensive training curriculum prepared by alumni from the prestigious Pioneers Academics research program.
- Currently mentoring four junior researchers towards writing, editing, and publishing their first research papers.

Member, *EducationUSA North Africa Cohort Bootcamp*   Mar 2022 – present

- Participated in the intensive college preparation mentorship boot camp in which I received guidance from admission advisors and graduating alumni.
- Exchanged cultures with students from various backgrounds from countries in the North African region (Egypt, Libya, Tunisia, Algeria, and Morocco).

Mentor, *Gharbiya STEM School Counseling Club*   Feb 2022 – present

- led discussions, informative sessions, and workshops with rising juniors for guidance for college planning and completing their U.S. universities applications.

Capstone Teaching Assistant, *Gharbiya STEM High School*   Nov 2021 – Jan 2022

- Assisted 5 sophomores in completing their first research-based capstone project and getting an A+ grade on it.

Computer Science Teaching Assistant, *Gharbiya STEM High School*   Oct 2021 – May 2022

- Prepared educational presentations; located problem sets; led class discussions.

Intern, *AdvancIT Business Club Summer Camp*   Sep 2021

- Selected along with 19 other persons from an application pool of 180+ applications.
- Attended a series of 20+ mentorship sessions and workshops conducted by real-world young entrepreneurs.
- Created a pitch deck presentation for a virtual company and presented it.
- Selected as the best young entrepreneur at the camp and received a full scholarship to attend X-Culture Academy and a mentorship conducted by the last national winner in the Diamond Challenge entrepreneurship competition.

Club Leader & Instructor, *Hack Club*   May 2021 – present

- Founded a branch of the international Hack Club organization at my school.
- Led 10+ mentors to hold weekly sessions and monthly seminars to simplify programming fundamental concepts for younger high school and middle school students.

English-to-Arabic Translator, *Coursera*   Feb 2021 – Sep 2021

- Translated English courses to the Arabic Language to help in achieving education equity among all peoples.

🎖 Awards

National Finalist in the Blastoff National Science & Engineering Fair, *Ideas Gym*

Apr 2022

International Informatics Olympiad in Teams National Finalist (Ranked 17th on Egypt), *Arab Academy for Science, Technology and Maritime Transport & Ministry of Communications and Information Technology*

Mar 2022

National Finalist in the International Science & Engineering Fair (among the top 6 projects in the Software category),
Bibliotheca Alexandrina Science and Engineering Fair (BASEF)

Mar 2022

National Semi-Finalist in The Diamond Challenge Entrepreneurship Competition, *The University of Delaware, U.S.A*

Feb 2022

Tatawwar Program MENA Region Semi-Finalist (top 200 out of 5,000), *HSBC Bank*

Jan 2022

Tatawwar is a program that gives students the chance to practice important business skills, understand sustainable commitments, connect with the corporate world, and hear from some extraordinary professionals along the way.

Chosen to participate at X-culuture Academy with full financial award, *AdvanceIT Business Club*

Oct 2021

First Place Winners & Global Nominees,
NASA Space Apps Challenge @Giza Local Hackathon

Oct 2021

Runner participant in the Immerse Education Essay Competition 2022, *Immerse Education Essay Contest*

Oct 2021

- Received a 30% partial scholarship to attend Cambridge University summer school.
- Recognized among the highest caliber of essay entrants (top 7%).

Best Marks in Grade 10 Nationally in the International Kangaroo Math Competition, *Edumeter*

Apr 2021

Distinction Medal in the International Kangaroo Science Competition, *Edumeter*

Dec 2020

Ranked 9th/18,000 in STEM Schools Admission Tests,
Ministry of Education in Egypt

Sep 2020

Ranked 9th overall among 18,000 participant students nationwide in the STEM Schools Admissions Test for candidates for STEM Schools; earned a full merit-based scholarship, covering tuition, fees, housing, and food.

Ranked 4th over ~88,000 students in preparatory leaving examinations, *Directorate of Education in Gharbia Government*

Jun 2020

🧠 Skills

Entrepreneurship • STEM • Research • Academic Writing

Soft Skills *(Leadership, Teamwork, Public Speaking, Problem Solving.)*

Computer *(MS Office, GitHub, Competitive Programming, Python, C++, Web Development [HTML, CSS, JS])*

📁 Projects

Gl-Plastic, *[High School Project, graded A+]*　　　　　　Feb 2022 – May 2022

Built an automated plastic manufacturing process device capable of recycling waste gelatin into an eco-friendly type of plastic that can be used in a variety of industries; equipped the device with a feedback control mechanism capable of mentoring the quality of the produced product and providing feedback to the user on how to adjust the input; prepared a +60-page research document; designed & created a scientific poster.

Error 404... Covid Not Responding!　　　　　　　　　Nov 2021 – Mar 2022

Designed a mobile application that offers users COVID-related statistics such as the number of people in a certain location, the percentage of people who are taking precautionary measures, and the risk of infection there. This data is obtained via an AI-based backend system we have designed that can be installed on public places' cameras and then be pushed to the server.

Respi-Pro　　　　　　　　　　　　　　　　　　　　Nov 2021 – Feb 2022

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.

Drinkable Air, *[High School Project, graded A+]*　　　　Oct 2021 – Jan 2022

Built an Atmospheric Water Generator (AWG), a device capable of extracting potable water from the air by cooling it until it reaches its dew point and then condensing it on a copper surface; prepared a +60-page research document; designed & created a scientific poster.

Go-Green　　　　　　　　　　　　　　　　　　　　Sep 2021 – Oct 2021

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.

The Funnel-Shaped Collector, *[High School Project, graded A+]*　　Oct 2020 – Mar 2021

Made a rain collection system out of waste wooden sticks. The device's main function is to collect unused rainwater and store it for later use; prepared a +60-page research document; designed & created a scientific poster.

📰 Publications

Why franchising is a smart business model: a comprehensive review, *ScienceOpen* ↗   Jun 13, 2022

📚 Online Coursework

CS50's Introduction to Computer Science, *Harvard University*   Feb 2022

Introduction to Artificial Intelligence (AI), *IBM*   Dec 2021

Crash Course on Python, *Google*   Nov 2021

Programming for Everybody (Getting Started with Python), *University of Michigan*   Jun 2021

HTML, CSS, and Javascript for Web Developers, *Johns Hopkins University*   Apr 2021

A Crash Course in Data Science, *Johns Hopkins University*   Apr 2021

Programming Fundamentals, *Duke University*   Feb 2021

Introduction to deep/dark web, *Udemy Online Courses*   Dec 2020

Command Line Fundamentals, *El-Zero Web School*   Nov 2020

Git&GitHub Full Tutorial, *El-Zero Web School*   Nov 2020