

# MOHAMED MOSTAFA

HIGH SCHOOL SENIOR

## PROFILE

I am Mohamed Mostafa, an Egyptian senior at STEM High School for Boys - 6th of October. I am passionate about Art, Computer Science, and Entrepreneurship. In the next few years, I am looking forward to pursuing my undergraduate degree in the US where I would find a medium that fits me and helps me innovate and develop my mindset and skillset further!

## PERSONAL INFORMATION

**Name**

Mohamed Mohamed Mahmoud Mostafa

**Birthdate**

First of October, 2004

**Gender**

Male (He/His)

**Residence**

Fayium, Egypt

**Nationality**

Egyptian

## CONTACT

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## SKILLS

### Media and Entertainment

White-Board Animation



3D Character Animation



Video Editing and



Motion Graphics

Graphic Designing



Digital Art



### Entrepreneurship

Leadership



Project management.



Negotiation



Public Speaking and



Pitching

Interviewing



Time Management



## Coding

Programming with Python	<div><div></div></div>
Machine Learning and Data science	<div><div></div></div>
UI/UX Design & Web Developing	<div><div></div></div>
App Developing	<div><div></div></div>
Programming with C++	<div><div></div></div>
Programming with C#	<div><div></div></div>

## Research

Academic Writing	<div><div></div></div>
Data collection.	<div><div></div></div>
Analyzing information from different sources.	<div><div></div></div>
Critical analysis.	<div><div></div></div>

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## EDUCATION

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2019 - 2022

### High School

*STEM High School for Boys - 6th of October, Egypt*

It was initiated as the product of a partnership between the U.S. Agency for International Development (USAID), World Learning, and its sub-recipients the ECASE project; offering a unique system that focuses on scientific, mathematical, and technological fields.

- Received the USAID merit-based scholarship to join STEM Egypt among the brightest 175 students in the country from an applicant pool of more than 13K students.
- Class Leader and Student Union member
- College prep Mentor
- Summer Camp Assistant

2020 - 2020

### Summer Of Making Program

*Hack Club, Arduino and GitHub, United States*

- Accepted among 300 makers to prototype one of my projects on Hack Club, Arduino, and GitHub funding.

2021 - 2021

### X-Culture Business Program

*X-Culture Academy, International Virtual Program*

- Received a scholarship to join the program among 1,803 students from 101 countries.
- Ranked from the top 5% in the first phase.
- Ranked among the top 40% in the program.
- Delivered a successful business project for the Finnish Schools International FSI.

2021 - 2021

### Horizon Academic Research Program

*Horizon Academic , United States*

- I have been the only admitted student with a full scholarship due to my outstanding profile
- Studied Machine Learning for three months
- Conducted research in Computer and Data Science.

2021 - 2021

### LaunchX Entrepreneurship Summer Program

*MIT LaunchX , United States*

- Admitted with a scholarship among an extremely competitive applicants pool to study MBA-based entrepreneurial curriculum and launch my startup.
- Launched Parkingdom startup in Romania with my peers
- Was ranked the "Biggest Risktaker" for the 2021 Class.

2021 - 2021	<b>Stanford Pre-Colligate Summer Program</b> <i>Stanford University</i> - Accepted with a full scholarship among an extremely competitive applicants pool to study Number Theory, Algorithms, and Cryptography.
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## CLUBS AND ORGANIZATIONS

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2020 - Present	<b>Sciencelia</b> <i>Founder, Egypt</i> The first Egyptian platform to produce animated pop-science series conducting scientific concepts and theories in a comedy slangy way making everyone able to understand it. - Founded this non-profit and was able to reach more than 40K people with our initiative. - Produced and animated a total of 10 episodes discussing 10 different concepts.
2021 - 2021	<b>Advancit Business Club</b> <i>President, Egypt</i> Advancit is the first business high school club in Egypt. - Led a two-week-long entrepreneurial summer camp offering all Entrepreneurship basics with a hands-on experience project. - Recruited 20 interns out of an applicant pool of more than 120 applicants after filtrating and interviewing them.. - Used my global professional network to gather a mentors board of world-class entrepreneurs
2020 - 2021	<b>Hack Club STEM Ismailia</b> <i>Club Leader</i> Hack Club is a nonprofit network of high school coding clubs and makers around the world. - Led STEM Ismailia Hack Club last season - Recruited 22 students and offered them a variety of Computer Science tracks. - Each member joined a track of his choice for 6 weeks and graduated with a project. - Tutored 10 students in the web development track
2021 - 2021	<b>The Generation Global Organization</b> <i>Mentor</i> Global platform connecting students to dedicated mentors and fully personalized courses for the careers of the future. - Tutored a group of students Computer Science and Entrepreneurship.
2021 - 2021	<b>STEM Model United Nations (STEMMUN)</b> <i>Media Coverage Director</i> STEM Model United Nations is an academic simulation where the world's most pressing issues and are debated and solved using the same procedures as the UN. - Led the conference media coverage. - Supervised the Multimedia, PR, FR, and Marketing committees.
2020 - 2020	<b>IEEE Nile University Student Branch</b> <i>Video-Editing Committee Vice-Head</i> IEEE and its members inspire a global community to innovate for a better tomorrow through highly cited publications, conferences, technology standards, and professional and educational activities.

2020 - 2021

### **TEDx**

#### *Multimedia Committee Member*

- Contributed to multiple TEDx and TEDxYouth events like TEDxZewailCityUST and TEDxYouthMaadiSTEM
- Designed different social media campaigns posts
- Worked as an Organizing Committee member during the event

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## **VOLUNTEER WORK**

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#### **Resala Charity | 2019 - Present**

- Led campaigns to tutor children with no access to schools
- Helped in delivering water to villages with no clean source of drinking water
- Developed a program that helps blind people read and write with their voice

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## **WORK EXPERIENCE**

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2021 - Present

### **LaunchX LLC.**

*Brand Ambassador*

2021 - Present

### **PlaytestCloud**

*Software Tester*

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## **HONORS & AWARDS**

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### **Diamond Challenge 2021**



Egypt's first-place winner and a global semi-finalist with 78 international team leaders out of more than 10,000 teams worldwide. Received funding to develop my product further and was interviewed to talk about my success story. "The blog is available on Diamond Challenge site"

### **Hack the Virus Competition 2020**



- Third Place Winner out of more than 100 teams & The Youngest Leader Award.
- Got funding and joined an accelerator program sponsored by ITIDA's Technology Innovation and Entrepreneurship Center (TIEC) in collaboration with Dell Technologies, and in partnership with Novartis and the esteemed United Nations Egypt agencies (United Nations Technology Innovation Labs, UNESCO, UNDP Egypt, ITU).
- Was mentioned in both UNESCO and UNICEF websites.

### **Z-DARE Entrepreneurship Challenge 2020 - 2021**



- Fourth Place Winner in 2020 out of more than 300 teams participating in the competition.
- Semi-finalist and Top 10 in 2021 out of more than 400 teams participating in the competition

### **USAID STEM Egypt Scholarship 2019**



Received the USAID merit-based scholarship to join STEM Egypt among the brightest 175 students in the country from an applicant pool of more than 12,000 students.



### **International Youth Math Challenge 2020**

Bronze medalist Finalist and ranked from the top 20% of ~6500 students.



### **NASA Space Apps Suhag 2020**

Category First Place Winner



### **IEEE NU Connection Competition 2020**

First Place Winner

 **Intel Science and Engineering Fair 2018 - 2020 - 2021**  
Regional finalist

 **First Lego League Championship 2018**  
National Best Project Award

 **STEM Model Arab League 2020**  
The winner resolution

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## COURSE

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2021 - 2021	<b>EXPLORATORY DATA ANALYSIS FOR MACHINE LEARNING</b> <i>IBM</i> Credential ID K3TWXANTYW3P
2021 - 2021	<b>MACHINE LEARNING WITH PYTHON</b> <i>IBM</i> Credential ID AXAYTP4AQ92E
2021 - 2021	<b>FUNDAMENTALS OF MACHINE LEARNING FOR HEALTHCARE</b> <i>Stanford University</i> Credential ID DPALSLBRATYY
2021 - 2021	<b>GAME THEORY</b> <i>Stanford University</i> Credential ID 28FQCY6GWJMW
2021 - 2021	<b>MACHINE LEARNING FOR ALL</b> <i>University of London</i> Credential ID CVNMC5WCMQ5D
2021 - 2021	<b>MATHEMATICS FOR MACHINE LEARNING: LINEAR ALGEBRA</b> <i>Imperial College London</i> Credential ID MT6ANYXN65MP
2021 - 2021	<b>MATHEMATICS FOR MACHINE LEARNING: MULTIVARIATE CALCULUS</b> <i>Imperial College London</i> Credential ID SQKGAA4358Z7
2021 - 2021	<b>INTERNATIONAL BIOLOGY OLYMPIAD COURSE</b> <i>Ideas Gym</i>
2020 - 2020	<b>INTERNATIONAL MATH OLYMPIAD COURSE</b> <i>IdeasGym</i>
2020 - 2020	<b>MACHINE LEARNING NANODEGREE</b> <i>Udemy</i> Credential ID UC-9784e09d-1e16-484d-b963-74c5ee8d8922
2020 - 2020	<b>ETHICAL HACKING MASTERCLASS</b> <i>Udemy</i> Certificateno:UC-005ccc5d-46QG-4a8f-b2a8-328380c0809e
2020 - 2020	<b>LESSONS LEARNED FROM AROUND THE WORLD IN DEALING WITH COVID-19</b> <i>Harvard Medical School</i>
2018 - 2019	<b>SENIOR ROBOTICS COURSE</b> <i>Roboway</i>

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## PUBLICATIONS

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Comprehensive review

### DEVELOPMENT OF SOLAR ENERGY APPLICATIONS A COMPREHENSIVE REVIEW

Mohamed Mostafa | 2020

DOI: 10.13140/RG.2.2.12133.32489

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## PROJECTS

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2017	<b>REBELION CAR</b> <i>Personal Project</i> <ul style="list-style-type: none"><li>- Accepted to be completed in Hack Club Summer of Making program</li><li>- Qualified to Intel Science &amp; Engineering Fair regional finals twice</li></ul>
2018	<b>WATERIVATE</b> <i>Personal Project</i> <ul style="list-style-type: none"><li>- Won the Best Project Award in First Lego League Egypt</li></ul>
2019	<b>GIRGA FLOATING BRIDGE</b> <i>STEM Ismailia</i> <ul style="list-style-type: none"><li>- Was graded as an (A grade) capstone project</li></ul>
2020	<b>EYELICATION</b> <i>Resala Charity</i>
2020	<b>A COMPREHENSIVE REVIEW OF THE DEVELOPMENT OF SOLAR ENERGY APPLICATIONS</b> <i>STEM October</i> <ul style="list-style-type: none"><li>- Was graded as an (A Grade) literature review</li></ul>
2020	<b>COVID KIT</b> <i>Personal Project</i> <ul style="list-style-type: none"><li>- Won third place internationally in Hack the Virus Competition and was funded by ITIDA's Technology Innovation and Entrepreneurship Center (TIEC), Dell Technologies, Novartis, and the United Nations</li><li>- Won fourth Place in the ZDARE Competition organized by the University of Canada in Egypt</li></ul>
2020	<b>STIRLING ENGINE COMPLEX COMPILER</b> <i>Personal Project</i> <ul style="list-style-type: none"><li>- Won NASA Space Apps Suhag 2020</li></ul>
2021	<b>CENTRIFUGAL COAGULATION PURIFICATION SYSTEM</b> <i>STEM October</i> <ul style="list-style-type: none"><li>- Was graded as an (A Grade) capstone</li></ul>
2021	<b>RESPIRA KIT</b> <i>Personal Project</i> <ul style="list-style-type: none"><li>- Diamond Challenge Egypt first place winner and a global semi-finalist Project that was funded by Capital one, Diamond Challenge, University of Delaware and other organizations.</li><li>- Semi-finalist Project in Zdare Challenge 2021</li><li>- ISEF regional finalist project</li></ul>
2021	<b>PARKINGDOM</b> <i>MIT LaunchX LLC</i> <ul style="list-style-type: none"><li>- Launched during MIT LaunchX program 2021</li></ul>