

# Youanes M. Atia

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## EDUCATION

### High Honors Diploma, *Ghabriya STEM High School*

Sep 2022 — Jul 2025

- STEM Honors Diploma; grade: A (4.0/4.0 Unweighed GPA)

Tanta, Egypt

## EXTRACURRICULAR ACTIVITIES

### Founder and Instructor, *STEMinates*

Fep 2024 — present

- Founded a YouTube channel dedicated to teaching students Physics and Geology
- Collaborated with 2 teaching assistants; published 15+ videos; finished explaining Earth science curriculum for grade 11 and ch.1 & 2 Physics for grade 12.
- Led a marketing campaign that attracted 150+ followers on YouTube with 2+K views and 33+ watching hours.

### Cofounder & Chief of technology, *nGOT*

Jul 2024 – present

- Crafted a 7-week plan to help African students learn more about AI, data structure, and others.
- Tend to organize 10 sessions & 5 AI workshops; the plan is to get 1000 African from 16 country.

### President & Lead Instructor, *Gharbiya CS club & Journal*

Oct 2023 – Oct 2024

- Led the school's branch of the nationally recognized CS Club.
- Developed curriculum and led a team of 6+ mentors through training.
- Organized and led weekly sessions and monthly webinars with industry experts designed to simplify CS fundamentals for 40+ students.

### Capstone TA & Citation Instructor, *Gharbiya STEM High School*

Oct 2023 — Mar 2024

- Supported a group of five freshmen on their first research-based capstone project, earning an A+; simplified the scientific method and engineering design process (EDP) steps; provided writing instruction and intensive training in the journal exam.
- Reviewed 2 teams with full feedback evaluating their scientific school papers.

### Student & Trainee, *CS50 Harvard introduction to computer science*

Jul 2024 – Sep 2024

- Finished 10-week course about computer programming and logical thinking.
- Mastered SQL, Python, JavaScript, C, C++, HTML, and CSS; built 30+ projects in different languages.

### Co-president & 1-1 Mentor, *Gharbiya STEM School Academic writing club*

Oct 2022 – present

- Led discussions, information seminars, and writing workshops for 80+students. Gave full mentorship for seniors in building their own personal statements under a collaboration with St. cloud state admissions officers.
- Launched 90-day IELTS challenge, assisting +150 non-English speaking students improve their English fluency.

### President & lead instructor, *Gharbiya STEM Math and mechanics Club*

Dec 2022 – Present

- Led a team of 6 mentors; increased participation by 200%.
- Prepared educational presentations and test banks; conducted 10+ nigh sessions to facilitate grades 10&11 math and mechanics curriculums.
- Organized a calculus competition (differentiation bee) that attracted 20+ team with a prize of 1000 EGP.

### President & Lead instructor, *Gharbiya STEM Counseling club*

Dec 2022 – present

- Selected from 20+ student to lead the club; led 5 mentors.
- Created a 6-plan for grade 11 students to teach them about programs, competitions, and US admission; led 15 sessions.
- Provided one-to-one mentorship for 10 juniors; approximately doubled the acceptance to prestigious programs.

### Junior researcher & exclusive member, *Junior academy of New York academy of science*

Oct 2023 – present

- Selected to do research with 5 international students (~7% acc.).
- Utilized AI in helping deaf children learn in schools; developed marketing plan; discussed it with many schools.

## SKILLS

**STEM • Research • Academic Writing • Entrepreneurship • Graphic design**

**Soft Skills** (*Leadership, Teamwork, Public Speaking, Organizing, Project Management, Problem Solving, Coaching*)

**Computer Science** (*MS Office, GitHub, Data Analysis, Python, C, C++, Web Development [HTML, CSS, JS]*)

**Entrepreneurship** (*Investment, Finance, Passive Income, Drop-Servicing*)

## WORK EXPERIENCE

**Market manager & scout leader, St.Refka Church.**

July 2023 – July 2023

- ♦ Led a group of 6 volunteers; worked for 11+ hours daily.
- ♦ Worked on the church market; distributed tasks based on skills; managed supplies and sales; raised 15K+ EGP daily.
- ♦ Improved sales ~50% over the previous year

**Web-developer, hobby**

Jun 2024 – present

- ♦ Learnt HTML, CSS, JS; built many websites in my free time.
- ♦ Opened my YouTube channel (programming Hub) to teach students about the basics of web-development and how to gain money from learning it.

**Long term investor, Thander application.**

Oct 2023 – Jun 2024

- ♦ Studied and analyzed the market before investing; collaborated with my friend.
- ♦ Invested some amount of money in construction and food supplies companies; achieved over 90% profits in only 3 months.

## AWARDS AND RECOGNITION

**Ranked top 1% over ~104,000 students in preparatory leaving examinations of Gharbiya Governorate, Directorate of Education in Gharbiya Government**

Jun 2022

**Ranked top 2% among 18,000 in STEM Schools Admission Tests, Ministry of Education in Egypt**

Sep 2022

Earned a full merit-based scholarship, covering all expenses.

**Earned full merit-scholarship to participate in Digital Egypt Cups**

May 2023

**Initiative level three (AI Course), Ministry of communication and information technology in Egypt**

**Ranked among top 50 projects out of +300 participating projects in the international competition on smart innovation technologies'2024, IEEE**

Mar 2024

**Chosen from the best 100 team to participate in NASA Space Apps Cairo, NASA Space Apps Challenge @Cairo Local Hackathon**

Oct 2023

**Climate Olympiad Semi-Finalist and graded A, Climate Science Olympiad**

Seb 2023

**Runner participant (top 7%) in the Immerse Education Essay Competition 2022, Immerse Education Essay Contest**

Oct 2023

Received a 30% partial scholarship to attend Cambridge University.

**Chosen to join LaunchX program (~30 acc) with a 90% partial scholarship (4150\$), TKS (~10% acc.) with 3350\$, and polygence research program with 60% scholarship.**

**Ranked 2<sup>nd</sup> all around Africa and 158<sup>th</sup> place internationally, Physics Brawl**

Nov 2023

**A Ranked among the top 25% in Online Physics Olympiad competed with undergraduate and experts., Online Physics Olympiad (OPHO)**

Seb 2023

## SCIENTIFIC PROJECTS

**Feedback-controlled solar-harvesting system for sustainable smart house, IOT**

Feb 2024 – May 2024

**Reviving Wastewater for Sustainable Agriculture, Water filtration & Planting**

Oct 2023 – Jan 2024

**Harnessing wave energy to generate electricity (Lucid energy turbine), Energy**

Feb 2023 – Jun 2023

**Underground Pedestrian Tunnel from recycled plastic polymers (PVC, PPT, PET), Infrastructure**

Oct 2022 – Jan 2023