Ahmed Mohamed Shalaby Mohamed

ahmedmshalaby2004@gmail.com   +201102807390

linkedin.com/in/ahmed-mohamed-a78127259

Summary

• Dedicated and results-oriented high school student with a strong academic record and a passion for technology.
• Proficient in programming languages such as Python, C++, C, and Dart, and equipped with solid research skills cultivated through my academic pursuits.
• As a skilled content writer, I possess the ability to communicate complex technical concepts effectively.
• Additionally, as the debate team captain, I honed leadership skills, leading teamwork and critical thinking among peers.
• Achieving an unweighted GPA of 3.7/4.0 and a score of 125 on the Duolingo English Test (DET) showcases my commitment to academic excellence and proficiency in English communication.
• Eager to apply my diverse skill set, encompassing technical proficiency, research acumen, and content writing capabilities, in a dynamic internship within the tech industry.

Experience

Vice President
ClosingTheDivide
Jul 2023 - Present (6 months)
• Supervised particular projects and initiatives.
• Assisted the president in managing the team.
• Handled on instructors who work on an ICDL course in Arabic language.

Intern
One Million Arab Coders
May 2020 - Jun 2020 (2 months)
•Attended 30+ sessions about designing the front-end of websites using HTML, CSS, and JAVASCRIPT and using Python to create the back-end of websites.
• Created a simple personal website and a candidate to qualify for the nanodegree scholarship.
• Attended 20+ sessions about Python turtle and managed to solve 10+ assignments using Python turtle.

Vice-head of the research track
IYNA October Chapter
Mar 2023 - Sep 2023 (7 months)
• Held 15+ sessions for 3 members to guide them through their neuroscience research.
• Trained 3 members who conducted research about "Brain Stimulation in psychological disorders".

Mentor
STEM October English Club
Jun 2023 - Aug 2023 (3 months)

• Held 20+ training sessions for 5 sophomore students to develop their English skills: Listening, Speaking, Writing, and Reading.
• Held 5+ training sessions for 5 sophomore students to prepare them for the writing section in the IELTS exam.

Content Writer
STEM Computer Science Club

Apr 2023 - Present (9 months)
• Worked to create content for the LinkedIn account of the STEM Computer Science Club.
• Contributed to the writing of 7 articles.

Bootcamp Instructor
STEM Computer Science Club

Aug 2023 - Sep 2023 (2 months)
• Held 6 sessions in mobile application developments for 11 members to prepare them for building mobile apps using flutter.
• Evaluated a project hackathon for 3+ students (participants of the boot-camp) with the head of the IT department at the school.

Intern
Logicae Science

Jun 2022 - Aug 2022 (3 months)
• Attended sessions over 9 weeks: Entrepreneurship Sessions, Science Sessions, and Communication Sessions.
• Work over 3 months on a literature review, titled "The impact of cement industry and temperature of Egypt".
• Work on a business idea "selling air purifiers" to purify air at homes.

Senior Researcher
Youth Science Journal

Aug 2023 - Present (5 months)
• Organized a 2-month research training course, inspired by the syllabus of Pioneer Academics Research.
• Directed the work flow of 2 junior researchers working on literature reviews in biomedical engineering.

Member of the Board of Advisors
Pioneer Academics

Aug 2023 - Present (5 months)
• Worked to create Instagram content for the @scholarsofpioneer account.
• Alumni Panel Discussions, Research Symposiums, and Social Events.

Researcher
Pioneer Academics

Jun 2023 - Sep 2023 (4 months)

• Attended 5 group sessions, taught by professor Hossein Alisafaee of Rose-Hulman Institute of technology, and study the theory of photonic crystals and using MATLAB to create simulations for photonic crystals design.
• Work over the course 3 months on a 27-pages thesis on the design and optimization of one-dimesnional-photonic crystals-based biosensor for diabetes detection and monitoring.
• Submit the solutions to 5 handouts that included both physics, engineering and programming components (Mainly MATLAB).

Education

STEM High School for Boys - 6th of October
High School Diploma, STEM subjects
2021 - 2024

Skills

Research and Development (R&D) • Qualitative Research • Design Research • Quantitative Research • Analytical Skills • Online Research • Web Design • Presentation Skills • Research Skills • Web Content Writing

Honors & Awards

Arab Reading Challenge - United Arab Emirates (UAE)
Mar 2018
Ranked the 3rd place nationally in Egypt among +10000 competitors.

TICO research projects competition - Benha University
Nov 2022
First place nationally

NASA space apps - NASA space Apps Benha University
Sep 2022
Ranked the best 10 teams nationally

Egyptian Physics Olympiad (EPHO) - Ideasgym
Mar 2023
A finalist (top 10 students nationally)

International Youth Math Challenge - IYMC
Nov 2022
Bronze Honor, ranking top 25% of all participants (+6500 participants).

Online Physics Brawl - FYKOS
Nov 2022
Fourth place all over Africa & Egypt out of +70 teams in Egypt.

STEM admission Test - STEM High School for Boys - 6th of October

Sep 2021

Ranked in the top 0.052% of all test takers & ranked 13th out of +25000 students.

Kangaroo Math competition - Edumeter

Aug 2022

Qualified to compete for the Excellence Medal.

Ranked the top 20 excellent students nationally (18th place), excelling their Mathematical skills.