Ammar Mohamed Taha Mahmoud Taha
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Objective

I am a dedicated high school student eager to apply my skills to make a meaningful impact. I am committed to working hard to achieve my goals, gaining valuable experience in both corporate and entrepreneurial settings. My long-term ambition is to establish my own business after acquiring industry expertise. With a strong focus on problem-solving and critical reasoning, I strive to deliver my best in challenging situations.

Education

High school: Omar Bin Al-Khattab Secondary school for boys / Doha
University: Hamad Bin Khalifa University
- Expected Graduation: 15 MAY 2029
- Relevant Coursework: Physics – Computer Architecture - Mathematics

Volunteering

Qatar Charity: Orphan day (12 May 2023)
Hamad Medical Corporation: Helping Staff and taking care of patients
Volunteered in many university events (reached 15+ volunteering hours)

Extracurricular Activities

1 - Physics for future Doctors summer camp: (25 July 2024)

 - I attended the *Physics for Future Doctors* workshop at Weill Cornell Medicine - Qatar, actively exploring Physics and its applications on medicine while forming new connections.

2 - Best Poster Research presentation: (24 Feb 2024)

 - I presented *Roboworm* at Weill Cornell Medicine - Qatar and won Second Place for its innovative approach to sustainable gardening and resource management.

3 - HBKU Cybersecurity Workshop: (2 March 2024)

 - I attended the Cybersecurity Workshop at HBKU, gaining insights into cybersecurity principles, practices, and emerging trends.

4 - English Debate Competition: (19 Jan 2025)

 - I was recognized for my strong performance in the English Language Debate at Omar Bin Al-Khattab Secondary School.

5 - Mind Craft Workshop: (11 May 2024)

 - Attended a computer science course where I learned data structures and problem solving.

6 - Pi Day Math competition: (17 Feb 2024)

 - I actively participated in the Pi Day Competition at CMU, solving most of the challenging math questions.

7 - Stem Robot Competition: (12 May 2024)

 - I participated in the STEM Robot Competition at Mohamed bin Abdul Wahab Secondary School, showcasing *Roboworm* with professionalism, creativity, and strong presentation skills.

8 - The Chemical Car Competition: (29 Feb 2024)

 - I participated in the Chemical Car Competition at Qatar University, applying scientific creativity and technical skills to design and control a car using chemical reactions.

9 - Chemistry Stars Competition: (16 Feb 2023)

- I led my team in the Chemistry Stars Competition at my school, applying leadership, scientific knowledge, and collaboration to achieve outstanding results.

10 – SAT Course Assistance: (23 Feb 2025)
- I was selected for my strong math skills and high SAT Math score to assist in an SAT course at my school, helping students tackle difficult questions and improve their scores with effective strategies.

Skills

1 - Academic & Technical Skills: Mathematical Proficiency, Analytical Thinking

2 - Teaching & Mentorship Skills: Communication Skills, Patience & Adaptability 3 – Leadership
   Skills: Confidence, Collaboration & Teamwork

Awards & Honors

1st place in Al-Faisal Group Schools Competition (May 2024)

2nd place in Best Poster Research Competition (Feb 2024)

2nd place in The Chemical Car Competition (April 2024)

1st place in The Chemistry Stars Competition (Feb 2023)

Best Video Award in The Stem Robot Competition (May 2024)

Projects

The Roboworm:

Roboworm is a smart gardening solution designed specifically for home gardens. It uses technology to guide plant growth by monitoring soil conditions, water levels, and light exposure. With its automated system and sensors, *Roboworm* helps homeowners optimize their gardening efforts, ensuring plants thrive while promoting sustainable practices, such as efficient water use and minimizing resource waste.

The Viscoband:

Viscoband is a wearable device designed for everyday use to monitor blood viscosity in real-time. It tracks changes in blood thickness, alerting the wearer if their viscosity is too high or low, which can indicate potential health risks like dehydration or increased clotting. By providing this vital information, *ViscoBand* helps users take proactive steps, such as drinking more water or seeking medical attention, to prevent serious health issues like strokes or heart attacks.