

# Esmail Almekhlafi

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## Professional Summary

A passionate and innovative student in science and technology, graduated with a GPA of 98.7%, and a proven record of awards in national robotics and AI competitions. Experienced in leading teams, designing intelligent systems, and solving problems creatively under pressure. Seeking to deepen academic knowledge and expand skills in engineering, technology, and computer science to develop innovative and sustainable solutions.

## Career Objectives

Looking to join an advanced academic and research environment in engineering, technology, and computer science, focusing on developing smart and sustainable solutions in energy, robotics, AI, and intelligent systems, contributing to impactful projects that positively affect society.

## Education

High School Diploma - General Track | 2022 - 2025  
ZAID BEN SAHAL-Secondary School - Educational Paths, Jeddah, Saudi Arabia  
GPA: 98.7%

## Projects & Achievements

- National Robotics Competition (STEM) | Team Leader & Lead Programmer - Led an 8-member team to achieve first place nationwide. - Developed multidisciplinary solutions: \* Environmental: Smart farm with automated irrigation and bird-repelling system. \* Medical: Assistant robot for medicine delivery and vital signs monitoring. \* Educational: Autism-friendly robot for interactive learning.
- Aden Robotics & AI Competition - Designed the Smart Tank project for water management; awarded "Excellence Award". - Implemented using Arduino and a novel water conductivity sensor system.
- School Robotics Competition - Developed an autonomous navigation robot using Ultrasonic sensors; received "Creativity Award". - Participation in the National 3rd Robotics & AI Competition.

## Courses & Certifications

- Data Analysis Career Essentials | Microsoft & LinkedIn (2025)
- AI Foundations: Machines that Think | LinkedIn Learning (2025)
- Electronics Foundations: Semiconductors | LinkedIn Learning (2025)
- Programming Foundations: Beyond the Fundamentals | LinkedIn Learning (2025)

## Skills

- Technical Skills: Arduino programming, robotics & autonomous navigation, Ultrasonic sensors, circuit design, AI fundamentals, data analysis.
- Leadership & Personal Skills: Team leadership, innovation, problem-solving, project management, volunteer initiatives, resilience and learning from challenges.

## Volunteering

- "Seeds of Goodness" Initiative with Team Abrar Al-Nibras: Participated in a tree-planting campaign at the psychiatric hospital grounds in Aden. The initiative aimed to increase green spaces, improve air quality, and enhance patient well-being through the beauty of nature and messages of hope and tranquility.