



Zayd Nashed

📍 Dhahran Saudi Arabia

☎ +966 550 378 196

✉ zayd.nashed@gmail.com

🌐 <https://www.zaydnashed.com>

PERSONAL PROFILE

A Syrian student based in Saudi Arabia, passionate about STEM, mechatronics, and engineering innovation. Skilled in CAD design, programming, AI, and team leadership, with a strong passion for motorsport, robotics, and sustainable development.

EDUCATION

Curriculum: British (IGCSE / A-Levels)

IGCSE: (6 O-Level)

- **subjects:** Mathematics (A*), Physics (A*), Chemistry (A*), Computer Science (A*), Arabic (A*), English (A)

A-Levels: (3 A-Level)

- **subjects:** Mathematics (B), Physics (B), Computer Science (B)

LANGUAGES

Arabic - Native

English – Fluent

German – A2 proficiency level

KEY ACHIEVEMENTS

- **3× Middle East Champion – Micro:bit Do Your :bit Challenge** (2019, 2020, 2022)
- **1st Place – Make It and Play It**, Game Development Competition (Saudi Arabia- 2021)
- **2nd Place – Mawhiba Oxmedica AI & Big Data Enrichment Program** (King Saud university -2023)
- **1st Place – Mawhiba Oxmedica Computer Science Enrichment Program** (King Saud university -2024)
- **3rd Place – STEM Racing Nationals** – Team Sadeem (Saudi Arabia, 2025)
- **Best Research & Development Award** – STEM Racing Nationals (Saudi Arabia- 2025)
- **Top 6 in the world – STEM Racing World final 25** – Team Sadeem (Singapore- 2025)
- **Best Research & Development Award** – STEM Racing World final (Singapore- 2025)
- **18th Globally / 3rd in KSA – WAICY** - Sign Bridge AI project (2024)
- **2nd in KSA – World Artificial Intelligence Competition for Youth (WAICY)** SONEXA AI project (2025)
- Author of 3 published articles in Micro Mag magazine
- Featured in Arab News and ARM's 2019 Global Goals Impact Report

SKILLS

- Programming: Python, C++, R
- CAD & CAM: Autodesk Fusion 360, CNC, 3D printing
- Simulation & Analysis: Ansys Fluent, Ansys Discovery (CFD)
- Microcontrollers: Arduino, Raspberry Pi, Micro:bit
- AI & ML: Model development, speech processing, computer vision
- Soft Skills: Public speaking, leadership, collaborative teamwork

PARTICIPATIONS & CERTIFICATES

STEM Racing – F1 in Schools Program

- F1 in schools Regional (Saudi Arabia) – Design & Manufacturing Engineer, Team SLK (12 Dec 2023– 01 May 2024)
- STEM Racing Regional (Saudi Arabia) – Head of Engineering, Team Sadeem (20 Dec 2024– 8 May 2025)
- STEM Racing Nationals (Saudi Arabia) – Head of Engineering, Team Sadeem (8 May– 16 July 2025)
- STEM Racing World Finals 2025 (Singapore) – Head of Engineering, Team Sadeem (23 September– 2 OCT 2025)

PROJECTS

Micro:bit Do Your :bit Challenge

- 2019: Dr. Robot
- 2020: Z-Palm Tree
- 2022: Electricity-Generating Running Track

Mawhiba Programs

- AI & Big Data (Oxmedica – King Saud University, 2023)
- Computer Science for a Digital Future (Oxmedica – King Saud University, 2024)
- Python Academic Enrichment – 60hrs (Aug 2022)
- Scientific Research Fundamentals – 32hrs (26 Dec 2022– 25 Feb 2023)

Hackathons & Innovation

- Fab Lab Hackathon – Fablab Mustaqbli (15 – 17 Dec 2022)
- Safety Hackathon – Fablab Mustaqbli (16 – 18 Nov 2023)
- Tanween Creativity Exhibition – Ithra, Idea Lab (3 Nov 2023)

Tech & Robotics

- Make It and Play It – 1st Place (2021)
- Coolest Projects Online – Dancing Dog (2021)

Maker Events & Talks

- **Fireside Chat** – Dale Dougherty, Maker Faire – *Khobar* (2019)
- **Saudi Maker Faire** – SABIC- Jubail (2019)
- **Schools Maker Faire** – *Dammam* (2019)

- **Dr. Robot:** A robot companion made with BBC Micro Bit for children with asthma that monitors air quality, reminds them about medications, and alerts parents
- **Z-Palm Tree:** An AI-powered talking tree that warns people when it's being cut down or catching fire
- **Z-Dog:** A dancing robot designed to engage children in playful STEM learning
- **Smart Recycling Bin:** Uses AI to detect plastic bottles and rewards the user through a digital point system
- **Electricity-Generating Track:** Made with Arduino and C++ language it converts kinetic energy from footsteps into usable electrical power via piezoelectric materials
- **Sign Bridge:** An AI-powered robotic hand programmed with python and whisper AI that translates spoken English into real-time sign language
- **SONEXA:** it is an AI machine diagnostics tool available 24/7 powered by an AST transformer model to predict faulty parts, such as bearings or sliders, in machines using acoustic sounds patterns only.

WORKSHOPS & VOLUNTEERING

- **Volunteered at SipchemTech camp**
(Sipchem Company– *Khobar* - 2019)
- **Trainer on (do your bit) preparation workshop**
(BrightUP Center- *Khobar* -2020)
- **Facilitator STEM workshop with SLK Racing team**
(Numou Education Center – *Khobar* - 2024)
- **Facilitator STEM Racing workshop with SADEEM Racing team**
(Numou Education Center – *Khobar* - 2025)
- **Facilitator 3D Printing Workshop Facilitator - Sadeem Racing**
(Cultural House – *Dammam* - 2024)
- **Organizer and trainer Micro:bit summer program Workshop**
(Supported by micro:bit foundation) (*Aleppo* – *Syria* - 2026)

For complete projects, portfolio and certificates, visit www.zaydnashed.com