

Abdul Maajid Aga

[in LinkedIn](#) | [+971-52-422-6306](#) | [my-portfolio](#) | [abdulmaajidaga@gmail.com](#) | [GitHub](#)

Skills

- Java | Python | ROS | Verilog | MATLAB | JavaScript | C++ | C | Git | HTML | CSS | Linux | V-REP | Path Planning | CAD | Documentation
- Advanced Calculus | Data Structures | Debugging | Communication Skills | Time Management | Analytic Thinking | Research Expertise
- Team Collaboration | Creative Thinking | English, Hindi, Urdu – *All professional proficiency or above* | Arabic – *elementary proficiency*

Experience

ROS Education Assistant (in progress) **Heriot Watt University** **Dubai, UAE** **05/2024 - 06/2024**

- Designed an advanced ROS project for the Kinova Gen3 Lite robotic arm, integrating version control and Gazebo simulation to ensure robust development and testing framework.
- Engineered AI algorithms for the robot to excel in games like Tic Tac Toe and execute pick-and-stack tasks efficiently.
- Contributed to creating engaging ROS demos for 3rd and 4th-year students, fostering interest and understanding.

Climate Hub Volunteer (COP 28) **SCRAPP** **Dubai, UAE** **11/2023 - 12/2023**

- Led proactive engagement with event guests, fostering meaningful conversations to articulate the mission and goal of SCRAPP.
- Showcased adept exhibition management skills through effective communication with visitors and team members, skillfully articulating the company's value proposition.
- Provided personalized explanations of the company's vision to a diverse audience, including high-profile individuals and billionaires.

Teacher Volunteer **The Indian High School** **Dubai, UAE** **08/2022 - 11/2022**

- Delivered a 3-month curriculum to grade 8 students, focusing on robotics and software development.
- Customized lessons, facilitated hands-on learning, and assessed student progress to promote STEM education and critical thinking.

Education

Bachelor of Engineering (in progress) **Heriot Watt University** **Dubai, UAE** **09/2023 - 09/2026**

- Robotics, Autonomous & Interactive Systems (Year 2)

High School Graduate **The Indian High School** **Dubai, UAE** **05/2009 - 05/2023**

- Subjects : Physics (95), Chemistry (95), Mathematics (80), Biology (92)

Achievements

- **9th India Middle East Education Awards 2023** : Recipient of the High Achievers Award issued by Yalla Schools **(06/2023)**
- **First Place in Global Hackathon**: Our team won the Global Hackathon on Smart City Solutions organized by the Engineer's 4 Life Club. My presentation centered on a case study of the implementation of kinetic steppers in urban hotspots as an alternative energy solution.