

## Speakers Bio

### **Maryam A. Naqi**

Maryam A. Naqi holds a BSc in Mechanical Engineering from Khalifa University and currently studying MSc in Material Science and Engineering at Khalifa University. Her research interest is mainly in Metallurgy, Heat Transfer, and Computational Fluid Dynamics (CFD). During her time as an undergraduate student at Khalifa University, she did two internships, participated and occasionally lead in 8 international competitions, and contributed to 3 research projects.

### **Muhammad Taha Arshad Saeed Ansari**

Muhammad Taha Ansari, who has been awarded the UAE Golden Visa by the Abu Dhabi Government, is a MSc student at Khalifa University pursuing his Master's degree in Mechanical Engineering with concentration in Space Systems and Technology. Recently, he successfully defended his thesis research project "Passive Attitude Stabilization of CubeSats in Low Earth Orbits" and is expected to Graduate in Fall 2021.

He obtained his BSc in Mechanical Engineering from Khalifa University in Fall 2019 followed by completing a secondary Internship at KU YAHSAT Space Lab. He has remained part of several satellite projects at Khalifa University such as DhabiSat (2U CubeSat launched in February 2021) and Light-1 (3U CubeSat expected to launch in December 2021). He mainly works and looks after the Attitude Determination & Control System (ADCS) and Mechanical subsystem (MES) teams. He also has a lead student role in performing vibration testing of the satellites at Khalifa University.

### **Sultan Al Hassanieh**

Sultan Al Hassanieh is a senior mechanical engineering student at Khalifa University graduating in Spring 2022. He has participated in two international competitions, the Supermilleage where he led the team in 2020 and the Design-Build-Fly competition. Sultan also has research experience in various fields working on polymer processing, architected materials, 2D materials, and morphing wings.