



SARVESH JAGADISH

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Portfolio: <https://sarvesh-j.github.io/> **LinkedIn:** <https://www.linkedin.com/in/sarvesh-j/>

Gender: Male **Date of birth:** 27/08/1999 **Nationality:** Indian

EDUCATION

MSc. Aerospace

Technical University of Munich

Student Group: Satellite development (WARR- MOVE)

[25/04/2022 – Present]

BACHELOR OF AEROSPACE ENGINEERING

Visvesvaraya Technological University, ACS College of Engineering

Final grade: 8.88/10

[01/07/2017 – 07/07/2021]

Thesis: ELECTRIC PROPULSION SYSTEM FOR CUBESATS

Design and analysis of a Pulsed Plasma Thruster(PPT) integrated into a 3U CubeSat

- Extended the lifetime of CubeSats by using thrusters from 1.2 years to 4.7 years
- Can be employed to maintain, increase its orbit and conduct orbital transfers
- Thermal analysis of PTFE fuel block for CubeSat

WORK EXPERIENCE

Mission control team lead

- Debriefing on Mission control system activities to Mission Ops team
- Training and mentoring mission controller candidates
- Plan and document sequence of Move II/II-b overpasses
- Communication across all levels of management (teams)

[15/12/2022 – Present]

Mission controller

- Mission Ops Student WARR MOVE (Munich Observation Verification Experiment)
- Observation and Analysis of Satellite telemetry data
- Monitor the status of Satellite (CubeSat) to confirm nominal status and performance

[10/07/2022 – 15/12/2022]

Intern

Supervisor: Dr. M Ravi (Chief Scientist)

Main activities and responsibilities:

- Determining the aerospace materials and structures, selection criteria, tools & techniques and designing of components
- Supported in the procurement of materials based on use case scenarios of aircraft structures
- Planned test cases to perform testing of various materials for aerospace structures

[07/09/2020 – 01/10/2020]

SKILLS

Technical Skills

- Solidworks, CATIA V5, Siemens NX
- Ansys Workbench
- Ansys Fluent
- Ansys CFX/ICEM CFD
- MATLAB and SIMULINK
- MS Office (MS Word, MS PowerPoint, MS Excel, MS)
- AGI's STK (Systems Tool Kit)
- COMSOL, Star CCM+ (developing proficiency)

Soft Skills

- Strong written and verbal communication skills in English
- Proficient in organizing and prioritizing tasks efficiently
- Adaptable and positive attitude to ensure timely completion of work
- Self-learning in dynamic and challenging environments
- Good organizational and problem-solving skills
- Innovative mindset to meet project goals with can-do attitude

LANGUAGE SKILLS

- English: IELTS 7.5 (C1 Level)
- German: Goethe Zertifikat A2

CERTIFICATIONS

AGI:STK (SYSTEMS TOOL KIT)

- Analyzed and visualized complex system integration based on mission
- Performed Interplanetary missions from Earth to Moon and Earth to Mars using STK Astrogator

Satellite Photogrammetry and its Applications

Conducted by Indian Institute of Remote Sensing, Dehradun

- Studied Introduction to Photogrammetric Concepts, Concepts of Stereophotogrammetry, and Concepts of Satellite Photogrammetry
- Basics of Satellite Navigation (GPS)