

# SARVESH J

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## About me

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Motivated recent Aerospace engineering graduate, passionate about spaceflight and rocket design. With a strong interest in propulsion and CFD and CAD design, seeking supportive educational structure for a Masters in Space engineering where I can continue specializing in Space technologies and contribute to the field of Space science.

## Education

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- 2017-2020**      **BACHELOR OF AEROSPACE ENGINEERING, ACS College of Engineering**  
**CGPA = 8.88/10**
- Strong mechanical design skills with SolidWorks.
  - Ability to read and analyze mechanical diagrams.
  - Can work alone or as a part of a team to ensure that project deadlines are met
  - Strong written, verbal and presentation skills.
  - Ability to perform a variety of simulations in ANSYS and COMSOL.
- 2016-2017**      **High School (Grade XII), MPL Sastry PU College**  
**Percentage = 80.83 %, PCMC (Physics, Chemistry, Math, Computer Science)**

## Project

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### **Electric propulsion system for CubeSat's. (PPT: Pulsed Plasma Thruster)**

- Using 8 micro PPT's and integrating them within the 3U CubeSat to conduct orbital transfers and increase orbital height, which significantly improves the CubeSat's lifetime.
- Through this project, I have gained skills in designing components in Solidworks and used ANSYS to perform analysis of the whole component assembly. I also learned how to use new features in STK, linked to space applications.

## Internship

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- 07/09/2020 – 01/10/2020**      **Intern, CSIR – National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala**
- Focused on determining the aerospace materials and structures, selection criteria, tools & techniques and designing of components.
  - Gained experience in selection of materials on the basis of consumer needs and budget.
  - Component testing procedures were comprehended.

## Languages

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- English – IELTS 7.5
- Hindi – Mother Tongue
- German – A2

# Extracurricular Activities

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**29/06- 03/07,2020    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).

## **College Event Management**

- Was in charge of organizing the music festival at my university.
- Successfully delegated duties to team members and made sure all tasks were met within the deadlines for the event.

# Skills

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SolidWorks

CATIA V5

ANSYS: Workbench & ANSYS Fluent

MATLAB & SIMULINK

AGI's STK(Systems tool kit)

COMSOL Multiphysics

MS OFFICE

Leadership Qualities

Time Management

Analytical Skills

Creative Thinking

Team Building

# Interests

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Music



Football



Video games



Cooking



Books



Meditation



Cycling



Star Gazing