

# SARVESH J

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## EDUCATION

**BACHELOR OF AEROSPACE ENGINEERING, ACSCE**  
CGPA = 8.91/10

2017- 2021

**High School (Grade XII), MPL Sastry PU College**  
Percentage = 80.83 % (PCMC)

2015- 2017

**High School (Grade X), EWPS**  
Percentage = 85.28 %

2014-2015

## PROJECT

### Pulsed Plasma Thruster (PPT) for CubeSats.

- 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

07/09- 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.

## EXTRACIRRICULAR ACTIVITIES

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.

## ABOUT ME

Motivated, team-oriented Aerospace engineer, Passionate about spaceflight and rocketry. With a strong interest in propulsion and CFD, along with strong CAD design abilities. Offering leadership, and dedication to develop technologies, solutions, and processes for current and future space missions.

## SKILLS

- SOLIDWORKS, CATIA
- ANSYS
- MATLAB
- AGI: STK (System's tool kit)
- COMSOL
- MS OFFICE
- ANALYTICAL SKILLS
- CREATIVE THINKING
- TEAM BUILDING
- TIME MANAGEMENT
- LEADERSHIP QUALITIES

## LANGUAGES

ENGLISH → Non-Native Speaker  
HINDI → Mother Tongue  
GERMAN → A2 Level

## INTERESTS

🎵 Music

👨‍🍳 Cooking

🚴 Cycling

⚽ Football

🎮 Video Games