



## SARVESH JAGADISH

**Address:** #9-7/1, 4th Cross Road, Saraswathi Pura, Nandini Layout, 560096, Bangalore, Karnataka, India

**Email address:** [sarveshjagadish99@gmail.com](mailto:sarveshjagadish99@gmail.com) **Phone number:** (+91) 8971460454

**Website:** <https://sarvesh-j.github.io/> **Whatsapp Messenger:** +91-8971460454

**LinkedIn:** [www.linkedin.com/in/sarvesh-j](http://www.linkedin.com/in/sarvesh-j)

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

### ABOUT ME

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

### EDUCATION AND TRAINING

#### [ 01/07/2017 – 07/07/2021 ] BACHELOR OF AEROSPACE ENGINEERING

**Visvesvaraya Technological University, ACS College of Engineering** <https://vtu.ac.in/en/>

**Address:** ACS College of Engineering, Kambipura, Mysore Road, 560074, Bangalore, Karnataka, India

**Field(s) of study:** Aerospace

**Final grade:** 8.88

**Thesis:** ELECTRIC PROPULSION SYSTEM FOR CUBESATS

#### [ 01/03/2016 – 10/03/2017 ] High School (Grade XII)

**MPL Sastry PU College** <https://mesinstitutions.in/web/mes-mpls-pu-college>

**Address:** MPL SASTRY PU COLLEGE Vidyavihara, 25/1, 17th main, 2nd Block, Rajajinagar, 560010, Bangalore, Karnataka, India

**Field(s) of study:** Physics, Chemistry, Mathematics, Computer Science

**Final grade:** 80.83%

#### [ 01/04/2014 – 10/04/2015 ] High School (Grade X)

**East West Public School**

**Address:** 13th Cross Road, Mahalakshmi Layout, 560086, Bangalore, Karnataka, India

**Field(s) of study:** English, Math, Science, Social Science

**Final grade:** 85.28%

### PROJECTS

#### [ 10/10/2020 – 15/06/2021 ] ELECTRIC PROPULSION SYSTEM FOR CUBESATS

- Design and analysis of a Pulsed Plasma Thruster (PPT) integrated into a 3U CubeSat.
- A total of 8 micro PPT's were integrated 4 on each end of the CubeSat base.
- CubeSat's lack a propulsive device, therefore their mission life is limited.
- We can extend the lifetime of CubeSats by using thrusters, which can also be employed to maintain the orbit and increase its orbit and also conduct orbital transfers.

<https://sarvesh-j.github.io/#Project>

## WORK EXPERIENCE

---

[ 07/09/2020 – 01/10/2020 ] **Intern**

**Dr. M Ravi (Chief Scientist)**    <https://www.niist.res.in/english/>

**City:** Thiruvananthapuram, Kerala

**Country:** India

<https://sarvesh-j.github.io/#Certificates>

**Main activities and responsibilities:**

- Focused on determining the aerospace materials and structures, selection criteria, tools & techniques and designing of components.
- Gained experience in the selection of materials on the basis of consumer needs and budget.
- Component testing procedures were comprehended.

## LANGUAGE SKILLS

---

**Mother tongue(s):** Hindi

**Other language(s):**

**English**

**LISTENING** C2   **READING** C1   **WRITING** B2

**SPOKEN PRODUCTION** C1   **SPOKEN INTERACTION** C1

**German**

**LISTENING** A2   **READING** A2   **WRITING** A2

**SPOKEN PRODUCTION** A2   **SPOKEN INTERACTION** A2

## DIGITAL SKILLS

---

**Software**

DS Solidworks (Optimal Knowledge) | Ansys Workbench, Ansys Fluent | CATIA V5 | MATLAB and SIMULINK | MS Office (MS Word, MS Powerpoint, MS Excel, MS) | AGI's STK(Systems Tool Kit) | COMSOL Multiphysics

**Soft Skills**

Strong willingness to continuous learning and personal growth | Leadership: Team building, Team management, Team motivation. | Analytical Skills | Time Management | Adaptable and Flexible | Creative Thinking

## EXTRACURRICULARS

---

[ 29/06/2020 – 03/07/2020 ] **Satellite Photogrammetry and its Applications**

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

<https://sarvesh-j.github.io/#Certificates>

**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

## HOBBIES & INTERESTS

---

**Music**

**Football**

**Meditation**

**Cycling**

**Stargazing**

**Cooking**