**Samyuktha R**

**PROFILE**

An upcoming aerospace engineer interested in the field of propulsion, seeking an entry level position in your organization, which provides with a good opportunity for learning and advancement resulting in organization’s growth.

**EDUCATION**

* **B.Tech** **Aerospace Engineering**

**CGPA – 7.94 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

**PROJECTS**

**Greenhouse effects and potential solutions**   
Duration/Period: 23rd August,2021 – 21st November,2021   
Objective: Case study on heat transfer in atmosphere and modelling radiation in greenhouse effect Paperwork on various solutions to reduce global warming and the role of radiation in greenhouse effects

**Low speed wind tunnel sphere test**   
Period: 10th January, 2022 – 20th May, 2022   
Experimental test to characterize flow through a sphere and studied the turbulence of the flow

**Modelling of supersonic cold spray for particle deposition**   
Period: 1st July, 2022 – present (ongoing)   
Study on the characteristics of the deposition particles in the impeachment area

**TECHNICAL SKILLS**

C, MATLAB, Python, AutoCAD, OpenRocket

**INTERNSHIP**

**Project Trainee , OrbitAid Aerospace, Bangalore (offline)**Duration/Period: 20th June, 2022 to 20th July, 2022   
Outcome: Designed an electrically driven pump for satellite propulsion system

**Avionics engineer, Space Technology and Aeronautical Rocketry, Surat (online mode)**

**Period: 25th September,2021 to 25th October,2021   
·Outcome: Designed a static test pad and a stable high-powered rocket**

**CERTIFICATIONS**

**Can Sat workshop**

Offered by Amrita Vishwa Vidyapeetham

**Development of UAVs and Composites in aerospace**

Offered by Kumaraguru college of technology

**Kinetics: Studying spacecraft motion**

On Coursera, offered by University of Colorado Boulder

**Orbital Mechanics**

Offered by Space Technology and Aeronautical Rocketry

**Computational Fluid Mechanics**: Airflow around a spoiler On Coursera