

RONNI BHAVANIKHA J

Student, Aerospace Engineering

+91 9061829464 ◇ ron nibhavanikha@gmail.com ◇ www.linkedin.com/in/ronnibhavanikhaj/

EDUCATION

SRM Institute of Science and Technology, Chennai, India

2019 - 2023

B.Tech

Department of Aerospace Engineering

RESEARCH INTERESTS

My interests include research in the domain of propulsion systems and deep space exploration.

INTERNSHIP EXPERIENCE

Society of Space Research and Education, SSERD

Feb 2021

Research Intern, Assistant Team Lead

- Worked as a team under this leading research organization. Learned and implemented various aspects such as the propulsion system of an experimental high power rocket.

NPHSAT Systems Pvt.Ltd.

June 2021

Trainee Intern

- Learned to design rectangular microstrip patch antenna for satellites in CST Design Studio.

PROJECTS

Conceptual Design of a High Power Experimental Sounding Rocket

The project aims at modelling of a high power experimental sounding rocket composed of a solid rocket motor using MIT-Cherry Limeade as the propellant , with the desired altitude of 120 km and a payload capacity of 10 kg.

TECHNICAL STRENGTHS

**Modeling and Analysis
Programming & Tools**

Fusion 360,CST Design Studio, COMSOL Multiphysics, MATLAB
Python , C++ , MS Office, Latex

RELEVANT COURSEWORK

Artificial Intelligence- Smartknower MOOD Indigo

April 2021

This was a 2 month course in which I took part in the training on python and artificial intelligence aka machine learning. It was an informative and educational course.

ONGOING PROJECTS

Comparative Study on the Performance of FEED and ILIS Electrospray Thrusters (IEEE AeroConf 2022 abstract approved)