**SNEHA**

**PROFILE**

A fresh engineering graduate, seeking an entry level position in a motivated environment that focuses on the aspects of technological development in UAV’s and Thrust Ignition systems related areas, resulting in organizational and professional growth.

**EDUCATION**

* **B.Tech Aerospace Engineering**

**CGPA – 8.75 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 86% **2019**

Institution: Vivekananda Kendra Vidyalaya, Port Blair

* **Class 10** – 100% **2017**

Institution: Vivekananda Kendra Vidyalaya, Port Blair

**TECHNICAL INTERESTS**

Aero propulsion (the working of individual components in thrust producing systems)

Avionics (Flight control systems/extensive study of cockpit’s electronic systems)

Selection of Advanced materials/Structural health monitoring for aircrafts

**PROJECTS**

**Building a CANSAT**  
·Duration/Period:13/02/2020[-](https://amritavishwavidyapeetham-my.sharepoint.com/:b:/g/personal/cb_en_u4aee19046_cb_students_amrita_edu/EZq5zLgV2YtHiUnHT0FnYnsBwp9bKjyE0MANzkMkW0ea8w?e=88YDiX)14/02/2020 (14 hours)   
·Objective: To completely study the tropospheric environment for various atmospherically inputs like wind speed etc.

·Tools or techniques used: Audino/sensors attached to the CANSAT which was docked and accented via an eight-armed drone from a height of 40.5 ft and safely deployed via small parachute to sense the readings. Later the data was extracted through the codes and graphs were charted.

·Outcome: Delivered with a fully functioned and self-made CANSAT that could sense the real time temperature, air density, pressure changes, moisture content and wind speed at any location during its time of re-entry.

**TECHNICAL SKILLS**

MATLAB, C, MS Excel

**INTERNSHIP**

**Society for Space Education Research and Development, Iriinjalakuda, Kerala** ·Duration/Period:10/06/2021-10/07/2021 (30 days)   
·Objective: To device a conceptual design of suborbital reusable spacecraft for space tourism   
·Tools or techniques used: Online flight simulators, MATLAB, EXCEL PLOTS, Research Papers ·Outcome: The concluding design of suborbital reusable spacecraft with respect to the Flight Mechanism, Material Selection and Propulsion System was successfully achieved[.](https://amritavishwavidyapeetham-my.sharepoint.com/:b:/g/personal/cb_en_u4aee19046_cb_students_amrita_edu/ERepDUiZzmxBpzvddECKJykBWYHcsdvQnttJ4Da3RjZlQQ?e=dbgWQM)

**DEPARTMENT OF SPACE, INDIAN SPACE RESEARCH ORGANISATION ISRO TELEMETRY, TRACKING AND COMMAND NETRWORK, Andaman & Nicobar islands, Port Blair**·Duration/Period:18/06/2022-18/07/2022 (30 days)   
·Objective: ISTRAC related, Tele commanding and Tracking Launch Vehicle and Satellites

**LANGUAGES**

English, Hindi, Tamil, Bengali