

KOKILAVANI GNANA MANOHARAN

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CAREER OBJECTIVE

A dedicated Aerospace Engineering pre - final year student with a strong passion for space technology and exploration. Looking for opportunities such as internships or student projects in space research organizations where I can gain hands-on experience, deepen my understanding of orbital mechanics and satellite systems, and contribute meaningfully to space related innovations.

EDUCATION

Examination	University	Institute	Year	CGPA(%)
Graduation	Bharath University	Bharath Institute of Higher Education and Research	2027	8.1
HSC	Central Board	Velammal Bodhi Campus	2023	8.6
SSC	Central Board	Velammal Bodhi Campus	2021	8.1

SKILLS

- Aerospace
- AutoCAD
- Fusion 360
- Python
- Ansys
- C++

EXPERIANCE

FERMI | Technical Guide

- Provided technical guidance on interpreting airfoil dynamics, thrust-to-weight ratios, and control surface configurations.
- Ensured participants developed a comprehensive understanding of aircraft design principles, aerodynamic theory, and flight performance evaluation.

Vayuratha Private Limited | Design Engineer Intern

- Contributed to the preliminary design and CAD modeling of a turbo-prop engine for an unmanned aircraft, applying aerospace engineering principles to develop and refine functional components.
- Collaborated with senior engineers to optimize design iterations and delivered assigned tasks ahead of schedule, demonstrating strong analytical, problem-solving, and time management skills.

PROJECTS

RC Plane | Group Project

- Designed, built, and tested a functional RC fixed-wing aircraft as part of a collaborative team project.
- Contributed to airframe design with emphasis on lift-to-drag optimization, control surface sizing, and weight distribution.
- Assisted in selecting appropriate propulsion systems and materials for improved structural integrity.
- Participated in multiple test flights to analyze stability, maneuverability, and flight performance under different payload and wind conditions.

CERTIFICATIONS

- Winner in RC Plane competition - SRM University
- Runner Up in Water rocketry competition - KCG College of Technology

EXTRA-CURRICULAR ACTIVITIES

- Organized RC plane Aeromodelling workshop at Dhanalakshmi College of Engineering - Mar 2025
- Rocket(amateur) building workshop in MIT Chennai – Mar 2024
- Drone workshop in CIT – Feb 2025
- KUKA (Industrial Robots) Workshop in CIT – Feb 2025

PERSONAL INFORMATION

Address	Rani Residency, Kamarajapuram, Sembakkam, Chennai, Tamil Nadu - 600073
Languages	Tamil, English
Date of Birth	26/09/2005
Nationality	Indian
Gender	Female

DECLARATION

Declaration

I hereby declare that the information provided above is true to the best of my knowledge and belief. I take full responsibility for the accuracy of the details mentioned in my resume.

Place: Chennai

Date: 06/06/2025

Signature: Kokilavani M