



N SWATHI

EDUCATION

MVJ College of Engineering | BE – Aeronautical Engineering | CGPA: 9.38 | 2025
Gopalan PU College | PUC (11th & 12th) | 84% | 2021
SEA International School | SSLC | 70% | 2019

TECHNICAL SKILLS

- Software: AutoCAD, MATLAB, Siemens NX, CATIA, SIMULINK.
- Tools & Techniques: CAD, FEA, CFD, CNC Lathe, Java.
- Soft Skills: Teamwork, Leadership, Time Management, Communication.

INTERNSHIP EXPERIENCE

Hindustan Aeronautics Limited (HAL) Bangalore

- Project Intern - **Aerospace Division** (Dec 2024 - Mar 2025) - Designed & developed fixtures for precision welding in rocket propellant tanks. Gained knowledge in aerospace manufacturing and quality standards. Hands-on experience in xture design and development. Knowledge of precision engineering, material science, and aerospace quality standards.
- Intern - **ALH Helicopter Division** (Apr 2025 - May 2025) - Assisted in avionics diagnostics and fault tolerance analysis in rotary-wing aircraft Gaining practical exposure to the working of avionics systems used in Advanced Light Helicopters (ALH). Assisting senior engineers in inspecting and documenting avionics components. Observing and analyzing system diagnostics and faulttolerance measures in rotary-wing aircraft systems.
- Plasmid Innovation Pvt. Ltd - Java Development Intern (Feb 2025 - May 2025) - Gained hands-on experience in core and advanced Java, with a focus on OOP principles.
- GENZ Education Wing - AutoCAD Intern (Jul 2024 - Aug 2024) - Worked on 2D/3D modeling and multiple design projects using AutoCAD.

PROJECTS

- Government Bus Design: Interior and customized service model using FODS & RESCA.
- UAV Mapping: Real-time 2D LiDAR and SLAM-based obstacle/environment monitoring.
- HINDUSTAN AERONAUTICS LIMITED (HAL)- AEROSPACE DIVISION
Design and development of custom xture for precision welding a component in a rocket propellant tank. This project helped develop a strong understanding of aerospace-grade manufacturing, component traceability, and the significance of documentation and standards in the defense aviation sector.
- HINDUSTAN AERONAUTICS LIMITED (HAL)- HELICOPTER DIVISION
Study of Helicopter Manufacturing and Assembly Processes. This project was undertaken as part of an internship program at Hindustan Aeronautics Limited (HAL), Helicopter Division, with the objective of understanding the end-to-end process of helicopter manufacturing, assembly, and quality control. The internship provided hands-on exposure to various departments involved in the production of rotary-wing aircraft such as the ALH Dhruv, Rudra, and Light Utility Helicopter (LUH).

CAREER OBJECTIVE:

To secure a successful and rewarding career in an organisation which would provide me with an opportunity to work in an innovative and challenging environment and utilize my skills to contribute to the goals of the organisation.

#47, 2nd Cross, Sai Baba
Layout, Kodigehalli Main Road,
Ayyappa Nagar, KR Puram,
Bangalore – 560036.



8792130373



nswathihazael11@gmail.com

DOB 11/11/2002

WORKSHOPS ATTENDED

- AutoCAD
- Flight Mechanics
- Fly-By-Wire Systems

INTERESTS

- Sketching
- Painting
- Photography

LANGUAGES

- English
- Hindi
- Kannada
- Telugu

