

ATHIS MITHUN E

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Portfolio: <https://athismithun.vercel.app/>



Objective

Motivated Aerospace Engineer with a solid foundation in aerodynamics, propulsion, and UAV technologies, aiming to contribute to impactful aerospace design and development projects. Experienced in using CAD tools for component modeling and design analysis, with a strong interest in creating efficient and reliable aerospace systems.

Education

B.Tech (Hons.) in Aerospace Engineering (Specialization in UAVs)

Periyar Maniammai Institute of Science and Technology

Current CGPA: 7.52 (up to 7th semester)

Graduation: May 2025

Professional Experience

1) Aircraft Design Intern – National Aerospace Laboratories (NAL)

- Modeled the Piper PA-30 aircraft geometry using OpenVSP.
- Conducted aerodynamic analysis for lift, drag, and stability.
- Documented design iterations and performance metrics.

2) Agri-UAV Co-pilot – Vimanna Labs Pvt Ltd

- Performed field analysis and mapping for pathway optimization.
- Conducted battery health checks for improved endurance.
- Operated UAVs at minimum altitudes for precision tasks.

3) UAV Facilitator – Vaayusastra

Under Naan Mudhalvan Scheme

- Taught students the fundamentals and applications of drones (UAVs).
- Covered topics like drone components, flight principles, real-world applications, and safety measures.
- Provided both theoretical knowledge and practical insights into drone technology.

4) Trainee – Agni Aero Sports Pvt Ltd

- Gained hands-on experience in microlight aircraft maintenance, performing essential checks.
- Learned key safety protocols, enhancing technical skills in real-world aviation settings.

Trainings

- Automation in Pneumatics, Hydraulics, and PLC – CETAT, BOSCH Affiliated
- Artificial Intelligence in UAVs – Vimanna Labs Pvt. Ltd.
- Basics of Aeromodelling – Vimanna Labs Pvt. Ltd.
- AutoCAD and CATIA V5 Training – Sri Design CAD Technologies Solution Pvt. Ltd.

Certifications

- Typewriting (English) – Junior Grade, 30 WPM – Govt. of Tamil Nadu
- Hindi Exams – Prathamik & Madhyama (Dakshina Bharat Hindi Prachar Sabha)

Technical Skills

- Aircraft Design and Aerodynamics: OpenVSP & Gnuplot
- Design : Fusion 360
- CAD and Simulation: CATIA V5, AutoCAD, ANSYS Workbench
- Programming: C, C++, Python (basic), Arduino
- Office Tools: MS Office, Documentation
- Other: Aircraft Inspection, Aeromodelling, PLC Basics