

Abishek Saravanan

Mail: abishekforex13@gmail.com Phone: 91+ 8838674622 Location: Chennai
LinkedIn: <https://www.linkedin.com/in/abishek-s-student-aerospace-b66539281/>

PROFILE

An Innovative and results driven Aerospace Engineering graduate with a focus on process improvement and operational excellence. Skilled in Lean Six Sigma and dedicated to innovation, safety, and quality. Committed to driving continuous improvement and advancing aerospace while upholding Integrity and sustainability.

KEY COMPETENCIES

Six Sigma (Green Belt)	Solidworks	3D Printing	Graphics Design
Quality Management	Catia	MS Office Tools	Financial Analysis
Lean Manufacturing	Ansys Workbench	Python	Market Research

PROFESSIONAL EXPERIENCE

Airport Authority Of India, Chennai Student Intern

Jun 2024- Jul 2024

Gained hands-on experience with communication and navigation systems, including maintenance, troubleshooting, and system optimization.

Brahmastra Aerospace Systems, Chennai Student Intern

March 2024 - May 2024

Contributed to designing space satellite services and quadcopters using SOLIDWORKS. Assisted with prototype creation, analysis, and testing.

Tunga Aerospace, Chennai Student Intern

Dec 2023 - Jan 2024

Designed and developed a drone prototype, focusing on propulsion, flight controls, and communication modules using Catia & Solidworks

Vaayusastra Aerospace, Chennai Student Intern

Nov 2021 - April 2022

Assisted in developing and testing solid propellant formulations for aerospace applications.

PROJECTS & PUBLICATIONS

Quality and Performance Optimization of the Boeing 787 Dreamliner Systems

Conducted a Six Sigma analysis to improve the Boeing 787 battery system's performance and safety. Published in IRJET journal 2024 Vol. 11 issue.

Optimising Boeing 737 Max 9 Door Plug Systems Through Six Sigma

Conducted a detailed analysis of Boeing 737 Max 9 door plug sealant issues and improvements using Six Sigma methodologies and developed process improvements.(Journal is under review at IEEE ACCESS)

Rover Engineering

Engineered a rover for terrain analysis and navigation, integrating sensors and algorithms for effective surface traversal. Designed for the IIT Madras Rover Competition.