

VENKATAKRISHNAN.S

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Career Objective

My thirst for knowledge and aspiration to acquire hands-on experience which would enable me to build my career in the Engineering and Management domain.

Education

Madras Institute Of Technology <i>Bachelor of Engineering in Aeronautical Engineering</i>	August 2019 - June 2023 GPA: 8.48
S.R.D.F Vivekanada Vidyalaya <i>Higher Secondary Education</i>	2017-2019 Overall score: 84.6%
S.R.D.F Vivekanada Vidyalaya <i>Secondary Education</i>	2015-2017 Overall score: 92%

Experience

- **CFD Intern** 12th JULY 2022 - 16th AUGUST 2022
CVRDE, DRDO Chennai
 - CFD ANALYSIS USING ANSYS FLUENT
 - Internal Flow Analysis of wavy fin using CFD
 - External Flow Analysis of Landing gear using CFD
- **Design Intern** JUNE 2022-DECEMBER 2022
AIROSSPACE R&D Pvt. Ltd. Chennai
 - Hands-on experience in LaTeX to format UAV Maintenance Manual, Operator Manual, Training and Procedure Manual.
 - Made a drone design and animated it using the blender.
 - Worked with the marketing manager to facilitate task completion faster.

Projects

- MAIN PROJECT** | *COMPUTATIONAL ANALYSIS OF INLET-ISOLATOR FOR DUAL MODE SCRAMJET ENGINE*
 - The objective of this project is to design and analyse an effective inlet-isolator geometry for an increase in efficiency. The inlet geometry is constructed with the constraints of flow properties at the entry and exit of the isolator.
 - In isolator, the constant area isolator is replaced with a varying area isolator to increase scramjet efficiency by 2%.
- MINI PROJECT** | *NUMERICAL ANALYSIS OF SCRAMJET INLET OPERATING FROM MACH 6 TO MACH 8*
 - Led a team of 3, where our objective was to observe the changes in efficiency as we varied the ramp angle and the number of inlet ramps.
 - We consolidated our results in tabular columns, graphs, and 2D CAD diagrams, and compared them.
- DESIGN PROJECT** | *Aerodynamics and Structural design of 1500 km range - 4 seater trainer aircraft*
 - Performed analytical calculations on various aerodynamic, structural, and performance parameters of the aircraft.

Technical Skills

Software skills: CATIA, ANSYS, LaTeX, Blender, Python, Fusion 360, C++, SQL
Soft skills: Team Player, Leadership, Quick learning, Self-disciplined, Hard-working, Optimistic
Languages: English, Hindi, Tamil

Co-Curricular and Extra-Curricular

AAE:Part of AAE (Aeronautical Association of Engineers) in my college, where we annually organized a national-level symposium named 'Flight'
NCC:I was a part of the National Cadet Corps in school, and also took part in the 10-Day Camp, and have obtained a Level 'A' certificate.
Mirundangam:Performed solo and group events at various stages.
Sports:I have been an enthusiastic sportsperson since school and have participated and won in several running races, kabaddi and tug-of-war competitions in school. I am also a member of the National Sports Organization (NSO) in college.