ARJIT SETH

Personal Information

DOB: 23 June 1995
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Education

B.Tech. Aeronautical Engineering — 2014-present
Manipal Institute of Technology
Year 3, Semester 5, Cumulative GPA: 7.564/10

12th International Baccalaureate: Diploma Programme — 2013
Symbiosis International School, Results: 37/45

10th International General Certificate of Secondary Education (IGCSE) — 2011
Symbiosis Intenrational School, Percentage: 88%, Distinction Awarded

Summary

- Capable of performing accurate computational fluid analyses using ANSYS ICEM CFD and Fluent.
- Capable of creating high-quality 3D CAD models in Dassault Systémes' CATIA.
- Able to develop efficient mathematical models for systems and perform complex mathematical/numerical analyses using MATLAB and Python.

Software Expertise

Technical: ANSYS, CATIA, MATLAB, Python, XFLR5, Logger Pro

Graphics, Audio and Others:
Logic Pro, Cubase, GNU Image Manipulation Program,
Sony Vegas Pro, Photoshop, LaTeX and Plot.ly

Skill Set

Aircraft Design, Aerodynamics Analysis, Computational Analysis,
Optimization and Mathematical Modelling

Areas of Interest

Aerospace Engineering - Computational Fluid Dynamics, Aircraft Design, Stability and Control, Propulsion Systems, Avionics

Physics - General Relativity, Quantum Mechanics, Particle Physics

Technical Activities

Head of Aerodynamics, AeroMIT: Aeromodelling Team — Spring 2016-present

Aerodynamics Member, AeroMIT: Aeromodelling Team — Spring 2015-2016

- World Rank 5 Overall, World Rank 4 in Highest Payload Fraction and World Rank 5 in Design at SAE AeroDesign East 2016 (Micro Class) sponsored by Lockheed Martin at Fort Worth, Texas
- World Rank 3 awarded with trophy for Highest Payload Lifted in the Micro Class at SAE AeroDesign East 2016

Website: *http://www.aeromit.in/*

Workshop Speaker, Conducted an XFLR5 Workshop — Spring 2016

- Taught introductory aerodynamics to first-year engineering students
- Demonstrated the use of XFLR5 in elementary aerodynamic analyses such as Airfoil and Wing Design
- Introduced computational analysis as a tool for aerodynamics using ANSYS Fluent