

ARJIT SETH



Personal Information

Date of Birth: 23 June 1995

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Education

B.Tech. Aeronautical Engineering with Minor in Aerodynamics
Manipal Institute of Technology
Year 3, Semester 6, Cumulative GPA: 7.56/10

2014-present

12th International Baccalaureate: Diploma Programme (IBDP)
Symbiosis International School, Results: 37/45 (Percentile: 88.02%)

2013

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

2011

Summary

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

Skill Set

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

Software Expertise

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

Graphics, Audio and Others:

Logic Pro, Cubase, GNU Image Manipulation Program,
Sony Vegas Pro, Photoshop, Hugo and Plot.ly

Areas of Interest

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

Physics - Quantum Field Theory, General Relativity, Particle Physics

Technical Activities

Head of Aerodynamics, AeroMIT: Aeromodelling Team

Spring 2016-present

Responsible for leading the Aerodynamics Subsystem to conceptualize and design miniature Unmanned Aerial Vehicles (UAVs) with analyses of aerodynamics and flight dynamics, alongside preparation of technical reports. Website: <http://www.aeromit.in/>

SAE Aero Design West 2017 Results:

- Awarded Overall World Rank 4 in the Micro Class
- World Rank 1 awarded for Highest Payload Lifted
- World Rank 2 awarded for Highest Payload Fraction

SAE Aero Design East 2016 Results:

- Awarded Overall and Design World Rank 5 in the Micro Class
- World Rank 3 awarded in Highest Payload Lifted
- World Rank 4 in Highest Payload Fraction

	Aircraft Designer, Centre for Avionics: Manipal University	Summer 2016-present
	Responsible for design of Micro Air Vehicles (MAVs) to match specific and highly complex requirements for government-funded projects.	
	Workshop Conductor: XFLR5 and Aerodynamics Workshop	Spring 2016
	<ul style="list-style-type: none"> • Taught introductory aerodynamics to first-year engineering students • Demonstrated the use of XFLR5 in elementary aerodynamic analyses such as Airfoil and Wing Design to first-year engineering students • Introduced computational fluid dynamics as a tool for aerodynamics analysis using ANSYS Fluent 	
	Graphics Designer, AeroMIT: Aeromodelling Team	Spring 2016-present
	<ul style="list-style-type: none"> • Created an elegant presentation for the Oral Presentation component of competitions • Designed the highly praised brochure of the airplane presented to the SAE Aero Design engineers • Designed the standee and banner to represent the university team at competitions • Designed posters as advertising for the recruitment process of juniors into the team 	
Achievements: Academic and Misc.	Best Outgoing Student - Symbiosis International School, Class Rank 1	2013
	Model United Nations Awards	
	• High Commendation, NATO, Symbiosis International University Model United Nations Conference	2014
	• High Commendation, Security Council, Indian International Model United Nations - Mumbai and Pune	2013
	• Best Delegate, Security Council, Mahindra United World College Model United Nations	2012
	Trinity Guildhall, London - Distinction in Plectrum Guitar Grades 1 & 2	2011
Extracurricular and Social Activities	Music Production	2010-present
	<ul style="list-style-type: none"> • Produced, mixed and mastered my original compositions • Produced, mixed and mastered 2 songs for Paradox, a band which has won multiple national-level music competitions hosted by universities in India 	
	Performed on MTV's Independence Rock as Lead Guitarist of Zepheroth (band) in a televised appearance on MTV and VH1 India	2012
	Lead Guitarist of School Bands (Western music)	2007-2013