

# 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,  $\text{\LaTeX}$   
**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

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