

MIDHUN MV

Malappuram, Kerala |  +919176297958 |  midhun.midhun94@gmail.com |  [Midhun MV](#)

- Aerospace engineer seeking opportunities in aerospace and related fields with focus on aerodynamics and CFD.
- 2-year experience in aerodynamic designing and characterization using CFD.
- Proficiency both in Computational and Experimental Aerodynamics.

EDUCATION

- **Masters of Engineering, Aerodynamics**, CGPA: 7.23 2017-2019
Birla Institute of Technology, Mesra
- **Bachelors of Technology, Aerospace Engineering**, CGPA 6.77 2012-2016
Hindustan University, Chennai

PROFESSIONAL EXPERIENCE

- Defense Research & Development Laboratory/DRDO, Hyderabad
CFD Engineer Aug 2019-till date
 - Assisting scientists in carrying out the aerodynamic design and characterization of different configurations.
 - Utilize simulation tools to analyze the flow physics of different bodies.
 - Analyzing aerodynamic data obtained from wind tunnel testing.
 - Preparing technical reports.

NOTABLE PROJECTS

- Master's Thesis: Numerical and Experimental Aerodynamic Characterization of a Blended Wing Body
- B.Tech Thesis: Ablative Evaluation of CNT/Phenolic Composites using different Nano-fillers.
- International Competition : International Aerial Robotics Competition (IARC), Beijing, China (2015)
- Internship: Air Traffic Control, Bangalore International Airport (BIA), Bengaluru

TECHNICAL SKILLS

- Modelling & Simulation Software
Basic: **CFD++**, **ICEM CFD**, **TecPlot**
Intermediate: **OpenFOAM**, **Ansys Fluent**, **Pointwise**, **SolidWorks**, **Paraview**
- Computer Languages
Basic: **JAVA**, **LATEX**, **MATLAB**
Intermediate: **Microsoft Office**, **ORACLE SQL**, **LINUX OS**

PUBLICATIONS

1. **Midhun MV**, P Mondal, Pawan Kumar Karn & Priyank Kumar, "Numerical and Experimental Investigation of Blended Wing Body Configuration", 21th Annual CFD Symposium, Aug 8-9, 2019, Bangalore.
2. Vijay Kumar, Pawan Kumar, **Midhun MV**, R Krishna Mohan Rao, "Effects of Flaps on Static Stability of an Axisymmetric Body", National Conference on Wind Tunnel Testing-06, Feb 14-15, 2020, IIT Kanpur.

AWARDS

- SHEEPHERDER AWARD, International Aerial Robotics Competition (IARC), China, Nov 2015.
- APPRECIATION AWARD, Hindustan University, Chennai, Mar 2016