MIDHUN MV

Malappuram, Kerala |  +919176297958 | [midhun.midhun94@gmail.com](mailto:midhun.midhun94@gmail.com) |[Midhun MV](https://www.linkedin.com/in/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 (ME), Aerodynamics 2017-2019

Birla Institute of Technology, Mesra

## Bachelors of Technology (B.Tech), Aerospace Engineering 2012-2016

## Hindustan University, Chennai

# PROFESSIONAL ExpERIence

* Defense Research & Development Laboratory/DRDO, Hyderabad

***CFD Engineer* *Aug 2019-till date***

* 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