

# Aryan Patel

LYON, France  
patelaryan9998@gmail.com  
0744176078

## Overview

With a fervent enthusiasm for expanding my knowledge, I am deeply committed to advancing my expertise within the aerospace sector. My proactive approach is characterized by a readiness to embrace new challenges, reflecting my dedication to building a robust career in aerospace. I am steadfast in my efforts, investing considerable hard work with an unwavering resolve to achieve my professional objectives. My journey is marked by continuous growth, as I persistently strive toward reaching the pinnacle of success in my chosen field.

## Education

### Masters-Aerospace engineer

Ecole Centrale De Lyon • Lyon  
08/2025

Pursuing a Master's in Aerospace Engineering with a specialization in Propulsion, emphasizing jet engine technology, structural dynamics, and advanced Computational Fluid Dynamics (CFD).

### B.tech-Aerospace engineer

Dayanada Sagar University • Bangalore  
08/2023

Attained a Bachelor of Technology in Aerospace Engineering, achieving a high GPA of 8.6/10, and gained comprehensive knowledge in diverse aerospace disciplines

## Experience

### Intern-3D Designer

Soch3D • Bangalore

Spearheaded drone construction projects, acquiring hands-on experience in troubleshooting and resolving complex mechanical issues

### Design Engineer-Intern

Beehive • Ahmedabad

Spearheaded advanced 3D design initiatives, demonstrating expertise in intricate problem-solving through the construction of an Inverse Delta Robot and various complex 3D models

## Skills

Computational Fluid Dynamic, 3D Designing, Numerical simulation/analysis, R/C plane and Drone Building, Mechanical Design

## Languages

English, French(beginner), Hindi

## Projects

Ornithopter

- Developed an ornithopter during my Bachelor's in Aerospace Engineering, creating detailed CAD models and conducting extensive analysis under the mentorship of Aerodynamics Professor Dr. Suryanarayana.

#### **Planetary Rover**

- Developed a comprehensive understanding of planetary rover design, resulting in a detailed CAD model.
- Conducted an in-depth ANSYS analysis of the rover model to ensure structural integrity.
- Successfully created a scaled-down rover prototype featuring a rocker-bogie mechanism.

#### **High Altitude Weather Balloon**

- Engineered a cost-effective high-altitude balloon equipped with multiple sensors, designed to support solar plane surveillance operations in agricultural areas by providing essential weather data up to 35 km altitude, with a successful recovery system for payload reusability.
-