

Bharath Kumar S

M.Tech Aerospace Engineering
Indian Institute of Science, Bengaluru

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DOB: 1st May 2002

Academic Qualification

Year	Course	School/College	CGPA/%
2027	M.Tech Aerospace Engineering	Indian Institute of Science, Bengaluru	-
2024	BE in Aeronautical Engineering	SJC Institute of Technology, Chickballapur, [VTU]	8.22
2020	12th / PUC	Sri Kongadiyappa PU college [Karnataka Board]	75

Work Interests

Structural Engineering, Vibrations, and Generative Design, with a strong focus on Optimization and Machine Learning.

Projects

- **Experimental Analysis of Natural Fiber Composite Materials [2023-24]:** Prepared natural fiber composite materials using the hand lay-up method across different fiber mass fractions.
Skills: Composites manufacturing, Fabrication, UTM, Excel, Team Leadership.
- **Design and Fabrication of a Miniature Drone for Visual Inspection Purposes [2023]:** Designed the configuration of a Quadcopter, selecting all required components tailored to the application's requirements.
Skills: Drone Fabrication, Engineering drawings, Microsoft Word.

Skills

- **Core Engineering:** Solid Mechanics, Vibrations, Composites Design, Aerospace Structures, Structural Dynamics, Modal Analysis, Finite Element Method.
- **Programming & Software:** Python, MATLAB, Visual Studio Code (VS Code), LaTeX.
- **Professional Skills:** Research & Development, Communication, Problem Solving.

Achievements & Extracurricular Activities

- **GATE 2025:** Qualified in Aerospace Engineering.
- **Workshops:** Workshop on "Basics of AutoCAD" by CADD Center (3 days). [2022], "The Solar Science & Aditya L-1" Workshop by ISRO in St. Joseph's University
- **Volunteering:** AeroTHON 2022 - Finals held at SJC Institute of Technology by SAE India. [2022], Open Day event at IISc 2026.

Languages

English — Hindi — Kannada — Telugu