

JAGADEESH VIJAPUR

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EDUCATION

- Bachelor of Engineering: Aerospace Engineering - CGPA: 6.84

SKILLS

- Python
- C++ and C programming
- DSA Basics
- Basics in R programming
- SQL Basics
- Microsoft Excel - Power BI
- MATLAB
- LabView
- Simulink
- Arduino and Pixhawk Microcontroller
- Product Lifecycle
- Drone Designing & Piloting
- Event Planning & Execution
- Team Management

CERTIFICATIONS

- ❖ Udemy - Python for Beginners.
- ❖ NPTEL - Aerospace Structural Analysis.
- ❖ NPTEL - Design of Fixed-wing UAVs.
- ❖ NPTEL - Python for Data Science.
- ❖ NPTEL - Data Science for Beginners in R programming. [\[On Going\]](#)

INTERNSHIP EXPERIENCE

Adder Creations, Bangalore – CAD Modelling and 3D Printing.

9th Nov 2023 – 13th Dec 2023

DRDO CEMILAC, - Building of Aircrafts and Airworthiness.

21st Nov 2022 – 9th Dec 2022

PROJECTS

- **Python, SQL and R programming** - developed a comprehensive attendance tracking system that efficiently collects and analyzes data for various events, meetings, and activities and implemented in my NSS and Drone club organizations.
- **Propulsion** - Optimizing Solid Rocket Propellant Performance through Cross-Sectional Area and Nozzle Design Variation.
- **Product Life cycle** - Boeing India University Relations-Designed an aerodynamically optimized, modular hardpoint for MALE UAVs to enhance payload deployment. [PDR & CDR]
- **LabView**- Real-time Monitoring and Analysis of Engine and Nozzle Performance Parameters Using LabVIEW
- **Drone and Microcontroller**- Developing a Robust, Collision-Avoidant Drone Platform for Industrial Inspection Utilizing Pixhawk and Arduino Integration

PROJECT JATAYU - Technical Club

- ❖ **Management Head - Core Member - Feb 2023 - Present**

- Managed a team of 60, executing project workflows and overseeing the signing.
- Projects: - Gimbal as a test bed for Drone flight.
- Quadcopter Drones for Competitions.
- Crash Tolerant Drone for Industrial Inspection.

NSS - National Service Schemes - Non technical Club

- ❖ **NSS Core member - Operations vertical head , Advisory Board**

Feb 2022 - Present

- Core team member as **Operational Vertical Head** and led a club of 300+ members, organised 25+ events and part of 70+ social service events.
- events aimed at Environmental Awareness, Health awareness, village development, school teaching, and strong bonding between club members.
- Represented Karnataka Cultural at the National level.
- Event head - represented the college at state level with 450+ on Independence Day at Maneksha parade ground.
- Event head - conducted a village camp and was involved in developing a village at Hosadurga, kanakpura.