

Bhavya Jadav

Rajkot, Gujarat | jadavbhavya991599@gmail.com | +91 9328066467 | github.com/yourusername
linkedin.com/in/yourprofile

About Me

Mechanical engineering graduate with strong leadership experience in managing multidisciplinary teams for national robotics competitions like Robocon and RoboFest. Skilled in project coordination, strategic planning, and cross-functional collaboration. Led both technical and cultural college events, handling operations, budgeting, and team management. Now aiming to apply this blend of technical insight and managerial experience in industry roles and further sharpen it through an MBA

Education

- Diploma in Mechanical Engineering**, Government Polytechnic, Rajkot 2020 – 2023
- **Percentage/CGPA:** [Your Percentage/CGPA]

B.Tech in Mechanical Engineering, Birla Vishwakarma Mahavidhyalaya, Vallabh Vidyanagar 2023 – 2026

 - **CGPA:** [Your Current CGPA / Expected CGPA] / 10
 - **Coursework:** Machine Design, Thermodynamics, Manufacturing Processes, Robotics, CAD/CAM, Control Systems

Key Projects & Leadership

- Robocon 2025 - Team Lead (AIR 10)** 2024 – 2025
- **Role:** Spearheaded a multidisciplinary team of engineers, overseeing the complete design and development lifecycle of a sophisticated basketball-playing robot.
 - **Cross-Functional Leadership:** Managed and coordinated distinct sub-teams specializing in **Mechanical Design** (kinematics, actuation), **Electronics** (sensor integration, PCB design), and **Software/ML** (path planning, computer vision for object detection and tracking).
 - **Strategic Decision Making:** Defined project scope, allocated resources, set milestones, and ensured seamless integration of mechanical, electrical, and algorithmic components under tight deadlines.
 - **Achievement:** Achieved All India Rank 10, demonstrating the ability to lead a complex technical project to successful competition performance.

- RoboFest 4.0 - Team Lead (AIR 2 - Runner-up)** 2024 – 2025
- **Role:** Led the team to secure the Runner-up position in this national-level robotics competition.
 - **Adaptability & Execution:** Showcased ability to quickly adapt strategies and lead the team effectively under pressure to deliver a winning solution.

- Logistics Drone - Inventor (Design Patent Holder)** [Project Duration]
- **Innovation & Design:** Conceptualized and designed a novel drone specifically for logistic applications, focusing on payload efficiency, stability, and operational feasibility.
 - **Intellectual Property:** Successfully secured a design patent, demonstrating entrepreneurial thinking and the ability to protect innovative ideas.

- Swarm Robotics Exploration** [Project Duration]
- **Interdisciplinary Application:** Leveraged knowledge in mechanical design, electronics (sensor networks, communication protocols), and basic programming to explore the fundamentals of swarm robotics.
 - **Conceptual Understanding:** Gained practical insights into coordination algorithms, decentralized control, and collective behavior, highlighting ability to grasp and apply knowledge across diverse technical domains.

Professional Experience

- Student Intern, NSIC, Rajkot** [3 Months]
- **VMC Machine Training:** Gained hands-on experience in operating and programming Vertical Machining Centers.
 - **CNC Machine Training:** Developed practical skills in Computer Numerical Control machining processes.
- Intern, FSM (in collaboration with IIT Delhi)** [3 Months]
- Applied theoretical engineering knowledge to real-world projects in a collaborative research environment.

Leadership & Additional Roles

- Technical Secretary, Birla Vishwakarma Mahavidhyalaya** [Duration]
- Orchestrated technical events and activities, demonstrating strong organizational and administrative capabilities.

- Cultural Co-Head, Udaan 2025

[Duration]
- Led the planning and execution of major cultural events, showcasing exceptional multitasking and people management skills.
- Mechanical Branch Representative, TRS Student Chapter, BVM

[Duration]
- Represented student interests and facilitated communication between peers and faculty.

Key Achievements

- **Robocon 2025:** All India Rank 10 as Team Lead, managing a multidisciplinary project.
- **RoboFest 4.0:** Runner-up (AIR 2) as Team Lead.
- **Innovation:** Holder of a Design Patent for a Logistic Drone.
- **Versatility:** Successfully applied knowledge across design, electronics, and software (including ML basics) in robotics projects.

Skills & Competencies

Technical Skills:	Robotics (Design, Electronics, Basic ML), CAD/CAM (SolidWorks, AutoCAD), Manufacturing (CNC, VMC)
Leadership:	Team Management, Project Planning, Strategic Decision Making, Cross-functional Coordination
Soft Skills:	Communication, Problem-Solving, Adaptability, Event Organization, Time Management
Business Acumen:	Innovation, Process Optimization (gained through projects)