

Piyush Kumar

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Certifications

- VITyarthi Certification on Python and Fundamentals of AI & ML
- STK Software Course Completion
- Agnirva Space Internship Program

Education

Vellore Institute of Technology, Bhopal – B.Tech in Aerospace Engineering	Aug 2022 – Ongoing
• CGPA: 8.30/10	
Modern Vidya Niketan, Faridabad, Haryana – Class XII	2022
• Percentage: 75%	
St. Columbus School, Faridabad, Haryana – Class X	2020
• Percentage: 88%	

Technical Skills

Languages: Java, JavaScript, HTML, CSS, SQL (SMS)

Tools/Software: ReactJS, Fusion 360, CATIA, STK, Git

Projects

Blockchain Club Website	2023
• Built an engaging frontend interface using HTML, CSS, and JavaScript.	
• Delivered a visually dynamic platform for Blockchain Club activities and updates.	
Crypto-Quest Quiz Webpage	2023
• Developed an immersive frontend for a university quiz competition.	
• Focused on responsiveness, interactivity, and user engagement using HTML/CSS/JS.	
Aerospace CAD & Simulation Suite	2023–2025
• Designed drones and UAVs using AutoCAD, Fusion 360, and CATIA.	
• Conducted structural/modal analysis using ANSYS; mission simulation using STK.	
• Produced complete technical reports with visual analysis and results.	
Compact Foldable Drone (DJI Mavic Clone)	Mar 2025 – Ongoing
• Modeled a foldable drone with cost-efficient design in Fusion 360.	
• Achieved 75% cost reduction with full functional capability.	
• Demonstrated leadership in internship while delivering industry-grade product.	

Experience

Drone Frame Designer Intern, AirM Pvt. Ltd. (Remote)	Mar 2025 – Ongoing
• Designed drone frames using Fusion 360, Catia, and FEA tools.	
• Performed structural integrity calculations to support up to 2kg load.	
• Led a team during internship; managed tasks and design collaboration.	
Research Intern, Aeronautical Society of India, Bangalore (On-site)	Oct 2024
• One-week internship focusing on aerospace technologies and UAVs.	

- Gained hands-on experience in drone systems and aeronautics tools.

Achievements and Extracurriculars

- 3rd prize in Rocket Launching Event (KARMAAN) using custom-built rocket.
- Hands-on experience visit to mechanical and automobile industries in Chennai.
- Core Technical Member of Blockchain Club, VIT Bhopal (Jul 2023 – Present)