Piyush Kumar

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github.com/Piyush171104

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: 8.03/10

Modern Vidya Niketan, Faridabad, Haryana – Class XII   2022
- Percentage: 75%

St. Columbus School, Faridabad, Haryana – Class X   2020
- Percentage: 88%

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)

Projects

Blockchain Club Website   github.com/Piyush171104/BlockChain_VI
- Developed frontend using HTML, CSS, JavaScript for Blockchain Club portal.
- Delivered an enthusiastic, vibrant UI to represent club activities.

Crypto-Quest Quiz Webpage   github.com/Piyush171104/Crypto_Quest
- Built a frontend interface to conduct blockchain quiz events at VIT.
- Technologies used: HTML, CSS, JavaScript.

Fusion 360 & STK CAD Projects   2023 – 2025
- Designed various aerospace structures including Quadcopter, Folding Drone, UAV Frames, and Palm-sized drones.
- Implemented advanced structural techniques and futuristic CAD models.

Technical Skills

Languages: Java, JavaScript, HTML, CSS, SQL

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