

Atharva Rajendra Jaju

Third Year Mechanical Engineering Student Senior Design Engineer at Team Anantam Rocketry & Space Research (TARSR)

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Profile

Dynamic and results-oriented student from Pimpri Chinchwad College of Engineering, adept in basic C++ and Java programming. Proven ability to identify improvement areas, enhancing decision-making processes. A quick learner with strong team collaboration skills, ready to leverage CAD and SQL expertise to drive impactful solutions.

Education:

- ✓ Pimpri Chinchwad College of Engineering Pune
 - in Mechanical Engineering (CGPA: 8.69)
 - Second Year Mechanical Engineering (4th semester SGPA: 8)
 - ✓ HSC -Cambridge Highschool And Junior College, Shirampur -413709 (79.5 %)
 - ✓ SSC -S.J. Patani Vidyalaya, Shirampur -413709 (97.60%)
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Technical Skills:

- ✓ CAD Drawing Proficiency: CATIA V 5, SOLIDWORKS 2024
 - ✓ Database Management: SQL
 - ✓ Microsoft Office Skills
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Experience:

Senior Design Engineer - Team Anantam Rocketry & Space Research (TARSR) Contributed to rocketry and space research projects, applying mechanical engineering principles to design and development.

Participation:

Participant in Ignite India 2025 Competition – National-level rocketry and drone-tech challenge organized by Inspirovision Technologies LLP, focusing on building and launching model rockets and advanced drones to foster aerospace innovation (2025, Bilaspur, Chhattisgarh).

Projects

- ✓ **BLUE BUTCHER SERIES** – Subsonic Model Rockets (R&D Project)
Designed and developed subsonic rockets (apogee 150–750 m) integrating key subsystems—Recovery, Avionics, Payload, and Propulsion. Focused on improving system efficiency, modularity, and launch reliability through hands-on testing and design optimization.
 - ✓ **NAMBI MODEL ROCKET – IGNITE INDIA 2025**
Engineered a subsonic rocket achieving 750 m apogee using a J-class 1000 N motor. Implemented real-time telemetry and a gyro-stabilized payload for air-quality data and visual flight analysis, emphasizing precision, innovation, and multidisciplinary collaboration.
 - ✓ **RED TITAN:** Designed supersonic rocket targeting >1 km apogee with advanced aerodynamics & propulsion integration using SOLIDWORKS 2024 – TARSR R&D
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