TEJAS ANIL KAJARI

tejasakajari@gmail.com || +91 8805084435 || Pune, Maharashtra || [LinkedIn](#)

SUMMARY

Mechanical Engineering student at Vishwakarma Institute of Information Technology (VIIT) with hands-on experience in vehicle dynamics, industrial component design, and advanced simulation software. Proven problem-solver, skilled in strategic thinking, eager to apply expertise to innovative projects in automotive and R&D sectors.

EXPERIENCE

DRDO-R&DE, Pune   **July. 2025 – December. 2025**
Intern   *Kalas, Pune*

- Selected appropriate materials, followed proper manufacturing procedures, and conducted tests on various laminates for a tank bridge. Learned about VARTM and RFI process.

TRIUMF, CERN   **June.2024 - December. 2025**
Intern   *VIIT, Pune (Remote)*

- Worked on the Intermediate Water Cherenkov Detector (IWCD), part of the Hyper-Kamiokande experiment.
- Designed and optimized the Lid Component Assembly. Conducted structural analysis of the lid and base plate using ANSYS to ensure durability.
- Contributed to the initial design and layout of CAT5e cabling and assisted in selecting materials and components for lid assembly.

Vanaz Engineers Limited   **June. 2024**
Intern   *Vanaz Engineers Ltd, Pune*

- Gained hands-on experience in designing and testing industrial components, understanding manufacturing processes, and quality control.
- Collaborated with engineers, strengthening knowledge in mechanical engineering and industrial operations.

Vishwaracers Club   **June. 2023 – March. 2024**
Vehicle Dynamics member

- Contributed to the development of suspension, tire systems, and steering mechanisms for the Formula Student vehicle.
- Performed structural and stability analysis to validate design integrity and enhance component reliability.
- Noteworthy achievement of securing AIR 1 in Formula Bharat, underscoring the team's commitment to excellence and competitive process.

SKILLS

- **Engineering Software**: ANSYS, SolidWorks, LS-Dyna, Fusion-360, Matlab-Onramp.
- **Programming Languages:** C++, Python
- **Core Skills:** Vehicle Dynamics, Structural Analysis, CAD Modeling, Composite Materials, FEA Simulation.

EDUCATION

- **Vishwakarma Institute of Information Technology**   **June, 2026 (Expected)**
  Bachelors of Mechanical Engineering   *Pune, Maharashtra*
- **RAO Junior College**   **August, 2022**
  Higher Secondary Certificate (HSC)   *Pune, Maharashtra*
- **R&DE(E) School**   **July, 2020**
  Secondary School Certificate   *Pune, Maharashtra*

PROJECTS

- **EV Go- Kart Project**
  Designed and modeled the vehicle chassis considering dynamic factors such as driver weight, center of gravity, load distribution, and steering geometry. Focused on optimizing structural layout for performance, stability, and handling.
- **Muffler Design**
  Designed a muffler and performed transmission loss tests for different geometries to identify the best one.