ANSHUN SURESH PARDHI

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PROFILE SUMMARY

A passionate and goal-driven Mechanical Engineering student at GH Raisoni College of Engineering and Management, Pune, with practical experience in design, analysis, and fabrication of performance-oriented vehicles. Skilled in using SolidWorks, CATIA, and ANSYS Fluent for product design and CFD-based optimization.

Actively contributed to A-BAJA, E-BAJA, and Go-Kart competitions, leading projects focused on structural design, aerodynamics, and system integration. Recognized for strong problem-solving, teamwork, and leadership abilities, with a keen interest in applying engineering principles to automotive design, R&D, and innovative manufacturing solutions.

EDUCATION

G.H.Raisoni College of Engineering and Management, Pune — **Nov 2022 - June 2026**

Mechanical Engineering — **8.32 CGPA** till 7thSem

Kendriya Vidyalaya No.1,Colaba — **91.0 %** — **2020 - 2021**

Higher Secondary Certificate

Kendriya Vidyalaya No.1,Colaba — **95.8 %** — **2018 - 2019**

Secondary School Certificate

SOFT-SKILLS

- Problem Solving
- Team Work
- Adaptability
- Leadership
- Time Management
- Communication Skills

TECHNICAL SKILLS

- Design Tools: SolidWorks(Part design,Assembly,Sheetmetal)and Catia V5(Part)
- Analysis Tools: ANSYS Fluent and SolidWorks flow Simulation
- Core Competencies: Vehicle Dynamics, CFD Analysis, Structural Design, Manufacturing Processes
- Vehicle Dynamics Simulators: IPG Carmaker
- Data & Documentation:MS Excel

PROJECTS

- Aerodynamic Optimization of a Go-Kart (Final Year Project) -Performed CFD analysis using SolidWorks ,SolidWorks Flow Simulation and ANSYS Fluent to reduce drag by 29% .
- A-BAJA 2025 - Autonomous All-Terrain Vehicle (Team Abhyuday), Designed and integrated mechanical subsystems for an autonomous off-road vehicle, contributing to system layout and integration..
- E-BAJA 2025 - Electric Off-Road Vehicle (Team Abhyuday), Worked on chassis design, suspension geometry, and fabrication.
- Edge-Line Championship 2025 - Go-Kart (Team Pravegh), Assisted in design, analysis, and assembly of a high-performance go-kart using SolidWorks and ANSYS Workbench.

ACHIEVEMENTS

- 1st Prize - Autonomous Performance (ACC-Style) Event, A-BAJA 2025
  Played a key role in the mechanical design and integration of an autonomous all-terrain vehicle.
  Led design of sensor mounting housings, chassis integration brackets, and protective enclosures, improving reliability and modularity.
- 2nd Runner-Up - Girls' Endurance Race, E-BAJA 2025
  Supported the team in vehicle design, structural analysis, and fabrication of the electric all-terrain vehicle, ensuring durability and reliability during endurance testing.
- Resolute Master & Pace Setter Awards - Edge-Line Championship 2025
  As Manager & Design Analysis Engineer of Team Pravegh, led the design, analysis, and fabrication of the go-kart and coordinated project timelines, contributing to consistent race performance and team success.

LANGUAGES

- English (Fluent)
- Marathi(Native)
- Hindi(Native)
- Japanese(Beginner)

POSITIONS & RESPONSIBILITIES

- Design & Analysis Engineer(Team Abhyuday,E-baja)
- Manager ,Design & Analysis Engineer (Team Pravegh, Go-Kart)
- Active Member - SAE India