

SANSKRUTI S. SHERE

MECHANICAL ENGINEER

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PROFESSIONAL EXPERIENCE

Team Captain, Team INDRA	Jun 2025 - Apr 2026
- Conducted team meetings to align daily activities and set focused goals. - Oversaw inventory levels to guarantee adequate supplies for ongoing operations. - Promoted a culture of creativity and innovation within the team to solve problems innovatively. - Utilized mechanical principles in manufacturing processes for tractor implements.	
Project Intern, Force Motors	Jun 2025 - Jul 2025
- Conducted research for “VQMC - Key Activities” project and prepared comprehensive summaries of findings. - Enhanced understanding of vehicle quality assurance processes through detailed analysis. - Identified problems and performed root cause analysis to ensure process improvement.	
JR. Design Engineer, Team INDRA	Nov 2024 - Apr 2025
- Participated in SAE TIFAN 2024 as part of the Team INDRA and secured AIR 10. - Executed CAD modeling and design using SolidWorks for various parts and assemblies. - Collaborated as a junior design engineer to support team objectives	
Intern, MSRTC	Jun 2023 - Jul 2023
- Executed vehicle maintenance tasks, focusing on engine diagnostics and electrical systems. - Acquired in-depth knowledge of vehicle mechanisms, such as the chassis, engine, gearbox, and differential.	

EDUCATION

Bachelor of Technology, Mechanical Engineering	Aug 2024 - May 2027
Government College of Engineering, Karad	8.8 (current CGPA)
Diploma, Mechanical Engineering	May 2024
Government Polytechnic Pen	87%
10th, Science	Aug 2021
Jawahar Navodaya Vidyalaya	89.5%

PROJECTS

Automated vegetable transplanter
Manufactured automated multivegetable transplanter as per the SAE TIFAN theme. We used different techniques to solve the problem statement with the fusion of mechanical and electronics for smooth operations, designed the whole system while considering every aspect and problem to avoid, and ensured better performance of the attachment.
Model of hydro-turbine generating electricity
Generated electricity using shaft power developed at the shaft of the Pelton wheel turbine, as the Pelton wheel receives water power and develops shaft power, which is coupled to the alternator to obtain electrical power output.

ADDITIONAL INFORMATION

- Languages:** English, Marathi, Hindi.
- Certifications:** AutoCAD - 2D & 3D, ANSYS, Rocket Propulsion and Spacecraft Dynamics.
- Hobbies:** Reading, Dancing, Trekking

SKILLS

- SolidWorks and Catia
- Project management
- Ansys and Matlab
- Team leadership
- CAD modeling
- Problem analysis