

Akash Kumar Sahu

Mechanical Engineer

akashkumarsahu84r@gmail.com | 7894381565

Chatrapur, Ganjam, Odisha, 761020 | [LinkedIn](#) | [Git-hub](#)

PROFESSIONAL SUMMERY

Results-driven **Mechanical Engineering student** with a strong academic record and extensive hands-on experience in **automotive design, thermal systems, and vehicle prototyping**. Demonstrated **leadership and technical expertise** as **Transmission Head** for multiple SAE vehicle projects, leading **teams of 25+ engineers** through design, fabrication, and technical inspections in national competitions. Proficient in **SolidWorks, AutoCAD, and ANSYS**, with a keen interest in enhancing mechanical system performance and efficiency. Eager to contribute skills in **design, analysis, and project management** to a dynamic engineering role.

EDUCATION

Veer Surendra Sai University of Technology, Burla, Odisha	2021-2025
B.Tech in Mechanical Engineering	CGPA/Percentage: 8.40
Aaryan Gurukul H S School, Berhampur, Odisha	2018-2020
Higher Secondary Education (12 th Class)	CGPA/Percentage: 89.00
Police High School, Chatrapur, Odisha	2017-2018
Secondary Education (10 th Class)	CGPA/Percentage: 80.50



PROJECTS

- Design & Development of Thermoelectric-Based Instant Beverage Chiller** *Major Project*
 - Designed and optimized a compact, portable beverage cooler utilizing a Peltier module, enhancing its cooling efficiency and performance.
- BAJA SAE 2025 | E-IoKE 3.0** *20th – 25th February 2025*
 - Developing a 4WD EV for BAJA SAE 2025 using repurposed materials, gaining hands-on expertise in transmission systems and automotive design.
- ATVC 2024- (Aravalli Terrain Vehicle Championship) | E-IoKE 2.0 | [LINK](#)** *20th-24th March 2024*
 - Led a 25-member engineering team as Technical and Transmission Head for E-IoKE 2.0, overseeing transmission system design, integration, and project execution.
- BAJA SAE 2023 | E-IoKE 1 | [LINK](#)** *5th-8th April, 2023*
 - Led transmission development for the E-IoKE 1 off-road vehicle with a 28-member team, ensuring precision fabrication through skilled power tool operation.
- Personal Portfolio** *Personal Interest*
 - Led transmission development for the E-IoKE 1 off-road vehicle with a 28-member team, ensuring precision fabrication through skilled power tool operation.



INTERNSHIPS

- Hindustan Aeronautics Limited (HAL) | [LINK](#)** *10th June- 9th July, 2024*
 - Designed and optimized the R-25 aircraft engine spur gear using CAD, ensuring HAL quality compliance.
- Indian Rare Earths Limited (IREL) | [LINK](#)** *11th May- 10th June 2023*
 - Studied sea sand mineral extraction at MSP, gaining practical experience in processing and optimization.

SKILLS

-  **Technical Skills:** SolidWorks, AutoCAD, Ansys, MATLAB, CorelDRAW, MS-Office, Machining, Welding
-  **Soft Skills:** Leadership quality, Communication, Problem-Solving, Teamwork, Adaptability, Time Management
- *(Hobbies & Interest-** Web Exploring, Cooking, Video Editing, Watching Cricket, Playing Online Games)

CERTIFICATES

-  **NPTEL | [LINK](#)** : Completed NPTEL course on Fundamentals of Manufacturing with 77% score.
-  **BIS | [LINK](#)** : Participated in an open quiz on Quality and Standards organized by the BIS