



Vemuri Ram Charan
Roll No.: 23MEB0B27
Bachelor of technology
Mechanical Engineering
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EDUCATION

- **National Institute of Technology, Warangal** 2023-2027
B.Tech in Mechanical Engineering, Minor in Applied and Computational Mathematics CGPA : 8.91
- **Sri Vagdevi Junior College** 2023
Intermediate/12th Board, Telangana Percentage: 99.1
- **S.R.M High School** 2021
SSC/10th Board, Telangana CGPA: 10

EXPERIENCE

- **SIEMENS, NITW** 19/05/2025-27/06/2025
Internship Warangal
– Trained in Design and Analysis of Mechanical Systems Using NX and Simcenter 3D

PERSONAL PROJECTS

- **Team Mechxhausters FSAE(CV)** Nov 2024 - Aug 2025
 - Collaborated with a team of Automobile enthusiasts that designs and manufactures Formula Student Car.
 - Supported the complete lifecycle from chassis design to manufacturing, ensuring compliance with SAEINDIA regulations.
 - Collaborated with the other departments like Power Train, Vehicle Dynamics and Braking to ensure proper space and design considerations for the Chassis.
 - Designed Chassis in SolidWorks and successfully performed FEA Analysis on the model in ANSYS so as to get a Rigid and Safe Chassis.
 - Tools and Technologies used : Solidworks, Ansys
- **Helmet** 2023-2024
 - In the first year of graduation, I collaborated with my classmates in bringing up the design advancement in helmets for various purposes with the following 5 stages Define, Ideate, Empathise, Prototype, Product Design
 - Made Grooving system along with outer structure for better aerodynamic flow
 - Better Audibility at the ear position by providing holes
 - Reduced the usage of inner foam material with proper design
 - Safety was the main goal in building the final product

TECHNICAL SKILLS AND INTERESTS

Software: Solidworks, NX Cad, Ansys (Static Structural, Fluent-Fluid Flow), Fusion 360, Simcenter 3D(basics), Technomatrix plant simulation (basics), Autocad

Soft Skills: Communication Skills, Problem Solving, Leadership skills, Strategic Thinking and Time Management, Ability to learn and adapt during trainee period, Performance-oriented mindset

Coursework: Prime movers for automobiles, Dynamics Of Machinery, Design of machine elements, Design of Transmission elements, Thermal Machines, Mechanics of solids, Thermodynamics, Kinematics of machinery

Areas of Interest: Automotive, Design

POSITIONS OF RESPONSIBILITY

- **Vice-Captain** Vice-Captain at Team Mechxhausters 2025-Present
- **Head Of Chassis Subdivision** Head of chassis Subdivision at Team Mechxhausters, 2025-Present
- **Student Council Member**, Student Council Member 2024-2025
- **Class Representative** Served as Class Representative 2024-2025
- **Executive Member** Member of Team Mechxhausters, Senior Member of Chassis Department 2024-2025

ACHIEVEMENTS

- **District Topper award** (District Topper Award in SRF) 2019
- **SUPRA SAE INDIA 2025** (AIR 3 in Business Plan Presentation) Aug-2025