

TEJASWA KUMAR

tejaswak809@gmail.com | +91-8811891344 | [Linked in](#)

Education

Dayananda Sagar College of Engineering, Bengaluru, Karnataka <ul style="list-style-type: none">B.E. Mechanical Engineering CGPA: 7.61	2023
Kendriya Vidyalaya Janakpuri, New Delhi <ul style="list-style-type: none">CBSE (Class XII), Aggregate: 59	2019
Kendriya Vidyalaya Narangi, Guwahati <ul style="list-style-type: none">CBSE (Class X), CGPA: 8.2	2016

Skills

C++ | Data structures (Beginner) | SQL | JavaScript (Beginner) | HTML | CSS (TAILWIND) | Autodesk Inventor (Basics)

Work Experience

JK Tyres Industries and Ltd. Intern Faridabad	Aug'22 - Sep'22
<ul style="list-style-type: none">My role was as a Survey Intern at the Zonal office of JK Tyre. I learnt all about the basic information regarding tyre and the workflow of the Zonal office. I started to visit multiple fleets and logistics to identify the type of vehicles, it could be LCVs (Light Commercial Vehicle) or an HCVs (Heavy Commercial Vehicle)After surveying the condition of 300 vehicle I made a chart on excel for further use and also inform the Regional Service Manager regarding any issue faced by the customer.	

Projects

Modelling and Thermal analysis of an Engine Piston (Mini Project)
<ul style="list-style-type: none">This project is concerned with the thermal analysis of a piston. The piston considered is a 4-STROKE PETROL ENGINE for the Hero Splendor-Pro bike. A 3-Dimensional model of the piston was created using modeling software like Fusion 360 and mesh was generated. Further a finite element model was made, and Thermal Analysis was carried out.
Modelling and Simulation of Carbon Capture Cycle for Gas Turbine Power Plant (Major Project)
<ul style="list-style-type: none">A Gas Turbine and its modifications are modeled in a software named as Cycle Tempo integrated with Heat Recovery Steam Generator and Post Combustion Carbon Capture cycle. While the entire system is simulated on another software called DWSIM to find the percentage of Carbon Capture.

Academic and Extracurricular Achievements

- Training on [Geeks for Geeks Mern Full Stack Web Development](#)
- Coordinator (Event Management) in Technical Fest TORQ (DSCE)
- Managed Auto-Bot Robotic Workshop.

Personal Skills

- Having leadership qualities
- Ability to work under pressure
- Always open to learn new skills and seeking opportunities
- Ability to take initiative and solve problems.