**SAI TEJA VANAMA**

**PROFILE**

A Highly motivated individual to learn, grow and excel in building a career in the Automobile engineering and management field.

**EDUCATION**

* **M.Tech Automotive Engineering**

**CGPA – 7.32/ 10 2021 – 2023**

Amrita School of Engineering,

Amrita Vishwa Vidyapeetham, Coimbatore

* **B.Tech Mechanical Engineering**

**CGPA – 8.02/ 10 2017 – 2021**

Malla Reddy Engineering College, Hyderabad

* **Class 12** – 85% **2017**

Institution: Sri Chaitanya Junior College, Khammam

* **Class 10** – 82% **2015**

Institution: CSR Aditya School

**PROJECTS**

**M. Tech project:**

**Application of machine Learning techniques for the prediction of performance & Emissions of Engine by using Bio-diesel and MTBE.**

**Performance and Emissions of Diesel Engine Blended with Methyl Tertiary Butyl Ether as Cetane Booster**

(Sep 2022 - Dec 2022)

In this project, Methyl Tertiary Butyl ether is used as a cetane booster in the CI engine by varying the loads to calibrate the Performance and emissions of the engine.

**B. Tech Projects:**

**Design and analysis of Naca 2412 Aeroplane wing**

(Apr 2021 - Jun 2021)

Design and analysis of the wing is done by using different material

**Biofuels production from solid waste**

(Jan 2021 - Feb 2021)

Separation of solid and dry waste using mechanical equipment and producing electricity.

**INTERNSHIP**

**Defence Research and Development Organization (RCI)**

**Duration/Period:** 06/2022 - 07/2022, Hyderabad

Mechanical Integration on Fiber Optics Sensor

Static and Dynamic analysis of INS

Mechanical Testing on INS

**SKILLS**

* **Technical Skills**

Autosar (Advanced)

Machine learning (Intermediate)

Python (Advanced)

Electric vehicles (Advanced)

MATLAB (Intermediate)

Simulink/Simscape (Intermediate)

MS word MS Excel (Advanced)

IPG car maker (Intermediate)

MSC Adams (Advanced)

Abaqus (Advanced)

Autodesk fusion 360 (Intermediate)

Creo(Advanced)

* **Soft Skills**

Problem-solving

Time management

Leadership Skills

**CERTICATIONS**

**HIL Testing**, **Udemy** - April 2023

**MATLAB Sims cape , MATLAB** - Nov 2022 - Nov 2022 **Advanced Driver Assistance System (ADAS), Udemy** - Jun 2022 - Jun 2022

**Automotive Electronics and Actuators, Udemy** - May 2022 - Jun 2022

**MATLAB Simulink, MATLAB** - Oct 2021 - Oct 2021

**ACHIEVEMENTS**

* Essay writing winner about life Insurance corporation of india held in my school.
* Winner at game tech held in our college in BE / B. Tech

**LANGUAGES**

* + English – Full Professional proficiency
  + Telugu – Full Professional proficiency
  + Hindi – Professional proficiency