




## MERUGU DHEERAJ

: - 12-11-753, G4, Manikanta Kanakadurga Residency,

Warasiguda, Secunderabad – 500061

: - merugudheeraj7@gmail.com

: - 7095695865

## ACADEMIC QUALIFICATION

- **BE (Automobile)** from Maturi Venkata Subba Rao (MVSR) engineering college, Osmania University in 2020, percentage of marks – **61.13**
- **Diploma (Automobile)** from State Board of Technical Education and Training (SBTET) in 2017, Percentage of marks –**65.58**
- Schooling from St. Peter's Model School, State Board curriculum in 2014, **GPA- 7.8**

## WORK EXPERIENCE

- **Adarsha Pvt. Ltd.**, Hyderabad, Telangana. **(Internship 6 months)**  
Understanding the technology, servicing Maruthi Suzuki cars, worked as technician and spare parts assistant.
- **Pavan Motors Pvt. Ltd.**, Hyderabad, Telangana. **(Internship 1 month)**  
Learned updated technology in cars.
- **Raam4wheeler LLP- MG MOTORS**, Hyderabad, Telangana. **(3 months)**  
Worked as technical trainee, learned diagnosing and solving using VDS (vehicle diagnostic system), learned about electric car and wiring of cars.

## PROJECTS

- **AUTOMATIC AND MANUAL TRANSMISSION SYSTEM (in 2017)**  
This is major project in my Diploma, it is a theory-based project learned about transmission systems and its assembly and dismantle.
- **FORMULA BHARAT (in 2018)**  
It is an electric student formula event; Used **Autocad** software for modeling I did paper calculations in transmission system.
- **SAE-BAJA, DESIGN AND FABRICATION OF ALL-TERRAIN VEHICLE (in 2020)**  
It is a student competition of designing and fabricating of Atv, I worked in power transmission system, designed gears, shafts and mounting tabs using **Solidworks** and used **Ansys** workbench to calculate stress, strain and FOS, I did paper calculations to confirm results. I was power transmission head and core member at vehicle fabrication. Aim is to reduce weight of gears.

- **SAE-SUPRA, DESIGN AND FABRICATION OF FORMULA VEHICLE (in 2020)**

It is a student formula competition, I designed chain sprocket and differential mountings with help of **Solidworks** and calculated stress, strain and FOS with help of **Ansys** Workbench. Aim is to reduce weight and torque of vehicle.

- **DESIGN OF ELECTRIC BICYCLE WITH DYNAMO (in 2020)**

This is my major project in my BE, in this project I worked on designing and calculation electric current generated and charging time. Concept of our project is to charge battery with dynamo.

## **TECHNICAL SKILLS**

- Designing software's like Solidworks, Catia, Ansys, and AutoCAD.
- Machining and manufacturing operations like lathe works, drilling, CNC coding etc.
- MS-office, c programming language, python-beginner, matlab.

## **SOFT SKILLS**

- Good at team work and managing skills.
- Problem solving and pressure handling.
- Learn and advice.
- Decision making ability.
- Creative and analytical thinking.

## **AWARDS AND ACHIVEMENTS**

- In SAE TIER events I was awarded 4th prize in "onboard diagnostics".
- our team won 2nd prize in kabaddi sports match.
- Forerunner at a protest in my college.
- won 2nd prize in SAE TIER event in "material handling".
- active member in INSTITUTE OF ENGINEERS.
- participated in road safety and go green program.

## **PERSONAL PROFILE**

- Date of Birth: 07/08/1998
- Nationality: Indian
- Hobbies: playing chess, site seeing, bike riding etc.
- Languages known: Telugu, Hindi, English and German (beginner).