

# KOMARAPU RAJU

BTech in Mechanical Engineering

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📍 Tanuku, India

## EDUCATION

### Bachelor of Technology

Gayatri Vidya Parishad College of Engineering  
Visakhapatnam

10/2020 - Present

8.75 CGPA

Courses

- Mechanical Engineering

### Diploma

SMVM Polytechnic, Tanuku

06/2016 - 04/2019

91.97%

Courses

- Mechanical Engineering

### SSC

Red Rose EM High School, Tanuku

06/2015 - 04/2016

9.2 CGPA

## PROJECTS

#### LHC Analysis in Heat Transfer using ML Algorithms

- Currently working on a Polynomial Regression model based problem solver for Lumped Heat Capacity Analysis in Heat Transfer using python.

#### Dairy Bike

- Designed and simulated a self balancing bike using LQR controller for contactless delivery of dairy products during the pandemic and simulated that bike in an environment in Coppeliasim robotics software.

#### Automation of Planetary Gear Design using Python

- Design and Simulation of Planetary Gear Mechanism using SolidWorks.
- Automation of design calculations using Python.

#### Design and simulation of Differential Gear Mechanism

- Designed differential gear mechanism in solidworks software and simulated the working of the differential gear

## WORK EXPERIENCE

### Technical Trainee

John Deere India Pvt Ltd, Pune

05/2019 - 03/2020

Pune

Assembling different types of clutches to the 3 cylinder IC engine according to the model of the engine.

## SKILLS

Python

C - programming

Machine Learning

SolidWorks

AutoCAD

Ansys

CATIA V5

## ACHIEVEMENTS

Fourth Position in e-Yantra International robotics Competition (10/2021 - 03/2022)

*Designed Self Balancing Bike for delivering dairy products during this pandemic situation in Coppeliasim Robotics software*

Participated in Smart India Hackathon

*Shortlisted in Top 10 teams in Inter College level*

Secured 29th Rank in Engineering Common Entrance Test 2020

## CERTIFICATES

Programming Essentials in Python (07/2021 - 08/2021)

*Cisco networking Academy*

Ansys (11/2021 - 12/2021)

*Internshala Trainings*

Certificate of Merit e-YRC 22 (10/2021 - 04/2022)

*Achieved for winning Eyantra International Robotics competition at 4th place in the Dairy Bike theme*

## LANGUAGES

English

*Professional Working Proficiency*

Telugu

*Native or Bilingual Proficiency*

Hindi

*Professional Working Proficiency*

## HOBBIES & INTERESTS

Coding

Reading

Stargazing