

Surya Modalavalasa

PROFILE

An enthusiastic and hard working Mechanical engineering student. I want to pursue a highly rewarding career and seeking for a job in challenging and healthy environment where i can use my skills and efforts to explore and adapt myself in different fields and understand my potential and get an opportunity for continuous learning.

EDUCATION

- **B.Tech Mechanical Engineering**
CGPA – 7.07 / 10 **2019-2023**
Amrita Vishwa Vidyapeetham
- **Class 12 – 77.8%** **2019**
Institution: Sri Chaitanya Educational Institutions
- **Class 10 – 92%** **2017**
Institution: Sri Chaitanya techno School

TECHNICAL INTERESTS

- Kinematics
- Dynamics
- Design of machine elements
- IC engines

PROJECTS

- Continuously variable Transmission (CVT) for a scooter
 - A project under the course of Design of machine elements-II, our team made a cvt belt design for a scooter. I worked on the design of belts and pulleys, and made a ppt for presentation
- Design of a propeller shaft
 - Main objective is to design a shaft to transmit 9000kw@200rpm. with a pin propeller. I worked on the calculation part and made a ppt for presentation

TECHNICAL SKILLS

- Autodesk AutoCAD
- Fusion 360
- Ansys Workbench
- MSC Adams
- Adobe Primere Pro

INTERNSHIP

- Rashtriya Ispat Nigam Limited (Vizag Steel Plant)
06/2022 - 07/2022
 - Project title: Design consideration of heat exchangers of high pressure system.
 - To Design and modify an existing Heat exchanger at high pressure systems at air seperation units and Study of Lubrication Systems at High pressure Systems.

ACHIEVEMENTS & HONOURS

- 2nd place in diagrammatic reasoning in MECHGUST'21 by CIT
- 2nd place in CAD design in ACME - 2K21 by M.A.M engineering college
- 1st place in IPL auction in ACME - 2K21 by M.A.M engineering college

EXTRA CURRICULAR ACTIVITIES

- Hyundai Innovation Month-2022
- Sketching and Drawing
- Games: Cricket, Volleyball Innovation challenges

LANGUAGES

- Telugu
- English