



VINAY KUMAR KOBBAJI

MECHANICAL DESIGN ENGINEER

An extremely driven Mechanical design engineer with CAD design software's. competent in real-world engineering applications and Microsoft Office. In search of a demanding position where I may contribute and develop my abilities to create advanced technologies.

Vinaykobbaji0351@gmail.com +9198665103511 Hyderabad, Telangana, India

EDUCATION

B.TECH

Annamacharya Institute of Technology and Science

08/2020 - 07/2023

6.33

Courses

- Mechanical Engineering

DIPLOMA

Sphoorthy Engineering College

10/2017 - 06/2020

6.97

Courses

- Mechanical engineering

PERSONAL PROJECTS

Nozzle pressure load analysis due to connected pipe using WRC analysis method (10/2022 - 04/2023)

- We are analyzing the nozzle local loads. They are like shear force and bending moments and we use WRC (welding research council) for solving problems.
- The nozzle local load analysis may be fail due to stress is more and thickness is less.
- We do this analysis in the PV Elite software by using ASME section viii division 1 pressure vessel rules.
- Software: PV ELITE. My role is team leader.

Analysis of mechanical properties of waste wood in composite form (06/2022 - 12/2022)

- A composite material is a combination of two materials with different physical and chemical properties. When they are combined they create a material which is specialized to become stronger, lighter and resistant to electricity.
- We use epoxy resin because it is a favorable mechanical properties and high thermal and chemical resistance and also hardeners forms a thermosetting polymer.
- It's a theoretical project. My role is team leader

Design and Fabrication of Off-Road buggy (12/2019 - 5/2020)

- We designed the buddy according to the chassis and frame. Then we assembled the powertrain, suspension, steering and brakes.
- We used apache 150cc engine and square bar to connect the tires for suspension system.
- My role is designing and planning.

SKILLS

AutoCAD Solid works CATIA PV Elite

Inventory Sheet metal Part design Drafting

Engineering Drawing Assembly tooling

Production Engineering Team work

Communication Quick learner Problem-solving

Time management Research and development

Decision making

TRAINING CERTIFICATES

Professional diploma in Mechanical Cad at CAD DESK institute

08/2023 - 03/2024

Hyderabad, Telangana

- I certified with AUTOCAD, CATIA and SOLIDWORK software's with designing and analyzing skills.

Certified in Automotive Domain Training (BIW, Interior, Exterior and Seating systems) - Mirai tech

11/2024 – present

Hyderabad, Telangana

WORK EXPERIENCE

Training, Design Engineer

Vama Industries Limited

03/2024 - 08/2024

Hyderabad, Telangana

- Assisted to project 1 on a railing design using solidwork software, gaining hands-on experience in design, drafting and analysis.
- According to the customer requirements we design. We create a BOM (bill of materials) with attach draft and 3D drawing picture.
- Assisted to project 2 on pressure vessels using Autodesk inventory, gaining experience in design and analysis.
- I gained a lot of knowledge on designing pressure vessel, materials, testing, closures, welding's, flanges and couplings.

LANGUAGES

Telugu

Full Professional Proficiency

English

Full Professional Proficiency

Hindi

Full Professional Proficiency