

Achyuth Y

Mechanical design Engineer

A design engineer with 5 years of experience in New product design & development, engineering change management, PLM & PDM for Automotive industry having exposure to cross functional team interaction. Looking out for a learning and challenging opportunity in a product based company that will help me to utilize my skills & contribute to the growth & success of team & the organization.

✉ achachyuth@gmail.com

📞 +91 9663269864

📍 #113/2, Srinidhi Nilaya, Mysore Lamps
Layout, Channarayana Palaya 2nd Stage, Chikkabidarakallu,
Bangalore-560073, Bangalore, India

SKILLS

New product development

Product design & Development

ECO, ECR and Change Management

G.D & T

DFMEA, DFM, DFA, DFX

Plastic product design

Value engineering

PLM & PDM

Rapid Prototyping

TECHNICAL SKILLS

Creo parametric

Catia V5

Wind chill

EPDM

Uni Graphics

WORK EXPERIENCE

IOT Engineer

Tata Consultancy Services (Client: Harley Davidson)

10/2022 – Present

Achievements/Tasks

- Design & development of Side stand and Centre stand for a Touring vehicle.
- Design for Compliance for the lighting assembly of the vehicle as per Automotive standards
- Development of mechanical structures for electrical components.
- Value Engineering of Triple clamp.

Mechanical design engineer

Rapid Global Business Solution (Client: Flowserve India Controls private limited)

July 2021 – September 2022

Achievements/Tasks

- Preparation of Cross sectional drawing for Vertical turbine pumps, LNN fire pumps, Submersible pumps, MN-MF pumps as per ESM standard
- Creation of 3d model, fabrication & manufacturing drawing for pump related parts and getting reviewed with Order Engineers with the site (Taneytown & Hastings)
- Creation of Assembly BOM as per the pump model specified by the customer
- 3d Modelling of Impeller, axially split casings, Strainer bodies for multistage pumps
- Carrying out Torsional Analysis & Structural Analysis for single & Multistage pumps

Mechanical design engineer

L & T technology service's (Client: Scania (Bus Division))

October 2018- May 2020

Achievements/Tasks

- Worked on the design and implementation of Disc Brake system of a Bus, produced 3D drawings and maintained professional relationships with suppliers
- 3D modelling of Sheet Metal body parts, Rear hatch, Body panels in Catia V5.
- Responsible for maintaining BOM for the complete product assembly.
- Vendor interaction for prototyping / Measurement labs for engineering activities, Project task planning /scheduling and review.
- Solving problems in the shop floor by working closely with production people involved in fabrication, machining, assembly and testing areas.
- Responsible for releasing an error free BOM of an assembly to manufacturing.

Change management engineer

L&T TECHNOLOGY SERVICES, Client: Scania (Truck Division)

Achievements/Tasks

- Enovia 3D Experience PLM activities: Engineering change order (E.C.O) & engineering change requests (E.C.R), part creations, parts and products lifecycle and workflow routing.
- Create engineering drawings and cable assembly drawings on Solid works tool.
- Prioritizes Review of ECO's and expedites release of ECO, in the implementation cycle.
- Review ECO's for content completeness, Structure of Bill of Materials, customer impact, organizational impact.
- Participates in projects by leading a ECO CIB project, Reviewing ECO's and recommending material changes through change control board, identifying ECO impact kits and assemblies.
- Drawing specifications creation and updates; Agile PLM change order execution.

L&T TECHNOLOGY SERVICES, Client: PHILIPS

Achievements/Tasks

- Labelling Gap Assessment as per E.U M.D.R and ISO 15223 requirements for Class 2 and 2a devices.
- FDA UDI Review Gap Assessment from FDA GUDID Site.
- Interaction with cross-functional teams for technical data mining, review and report preparation
- Value Engineering of Infusion Syringe pump, where it reduced the number of parts and also increased the product performance
- Design FMEA and Usability Engineering File for Electro Surgical Unit (ESU) as per ISO 14971(Risk management for Medical Devices)

Hoshi Tools private Limited

12/2017 – 10/2018

Achievements/Tasks

- Design and development of valve seat cutting tool for both roughing and finishing for inlet valve and exhaust valve for 3-wheeler and two-wheeler engine for TVS and continental automotive engines.
- Design and development of special purpose cartridge used for boring operation for negative insert which is placed in compound angle.
- Design and development of Integral tools with BT-40, BBT-40, HSK-A63, HSKA100 adaptors.
- Design and development of MBU tool for finishing purpose.

Engineer Trainee design

Roots India Limited, Coimbatore

06/2017 – 11/2017

Achievements/Tasks

- Designed, development and drafting for shopping cart trolley and luggage trolley for COCHIN AIRPORT AUTHORITY.
- Designed and development for Venus stool for laboratory purpose.
- Designed and development of WP-1 and WP-2 chairs for college. 3D-model of chair back rest and bottom rest(surfacing).
- Product development & co-ordinated for pipe bending of steel.

EDUCATION

M. E in New product development

NTTF (Nettur technical Training Foundation) affiliated to Anna University

08/2014-09/2016

7.2 CGPA

B.E Mechanical Engineering

Sambhram Institute of technology affiliated to VTU

06/2010 – 05/2014

70%