

Chalapathirao Eede

Design Engineer

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6305044772

Hyderabad, India

4Goal-oriented Technical Design Engineer with 3.10 years of experience in 3D modelling and process drawing development. Proven ability to solve complex engineering challenges by delivering innovative, cost-effective, and efficient design solutions. Strong communicator and collaborative team player with experience working in cross-functional environments and consistently meeting project timelines.

WORK EXPERIENCE

Design Engineer Azad Engineering Limited

06/2022 - Present

Jeedimetla, Hyderabad

Achievements/Tasks

- Possess extensive experience in turbine blade design and manufacturing processes, having contributed to projects for leading organizations such as GE, BHEL, Siemens and Baker Hughes.
- Designed and developed complex 3D CAD models using Siemens NX for steam turbine blades and associated components, ensuring compliance with customer specifications, engineering standards and manufacturing feasibility.
- Validated 3D models against technical data and finalized machining processes in coordination with programmers, aligning designs with turbine manufacturing tolerances and machine capabilities.
- Generated and reviewed detailed 2D manufacturing drawings using AutoCAD, incorporating GD&T, critical tolerances, surface finish requirements, and machining annotations for shop-floor production.
- Executed raw material mapping and optimization for Stainless Steel and Titanium components, achieving significant material cost savings while maintaining mechanical integrity and quality in turbine environments.
- Released optimized raw material specifications, fixture block-ups, and tooling lists to support procurement planning, material staging, and production readiness in turbine manufacturing workflows.
- Designed precision machining fixtures and tooling solutions aligned with finalized manufacturing processes, improving dimensional control, repeatability and process stability for high-precision turbine parts.

EDUCATION

Bachelor of Technology (Mechanical Engineering)

SRK Institute Of Technology

06/2015 - 12/2021

Vijayawada, Andhra Pradesh

XII (Board of Intermediate Education)

Narayana Junior College

06/2013 - 03/2015

Vuyyuru, Andhra Pradesh

X (Board of Secondary Education of Andhra Pradesh)

Gemini English Medium School

06/2012 - 04/2013

Vuyyuru, Andhra Pradesh

SKILLS

Siemens NX

SolidWorks

PTC Creo

Auto CAD

ZW CAD

MS Office

GRADUATION PROJECTS

-Electromagnetic Braking System
(11/2019 - 05/2020)

-Vertical axis wind turbine for highway applications
(06/2019 - 10/2019)

ACHIEVEMENTS/INDUSTRIAL EXPOSURE

Actively engaged in a workshop organized by IIT Hyderabad, focusing on the design of automobiles and IC engines.

Successfully organized and volunteered college fest in 2019.

Rendered services as volunteer in the annual celebrations 2019 and National Mathematics day in 2019 at SRKIT and made it a grand success.

Successfully completed 15 days internship at South Central Railway in Vijayawada. Valuable experience in railway signaling and braking systems.

Successfully completed 5 days internship at Dr. Narla Tata Rao Thermal Power Station in Vijayawada.

LANGUAGES

English

Full Professional Proficiency

Telugu

Native or Bilingual Proficiency

Hindi

Limited Working Proficiency

HOBBIES

Playing Cricket

Surfing Web

3D Modeling