Ajay Reddy Nagella

DESIGN ENGINEER Mobile – 7013153416

Mail id - ajayreddy687@gmail.com

OBJECTIVE

Mechanical design professional with 2.10 years of experience in metro rail subsystems and automotive exterior trim design (hood, fender, bumper), proficient in CAD/PLM tools like UG NX, Catia V5, PDM, and release management systems (Smaragd, Teamcenter, ACM, DIALOG). Skilled in carlines, structure levels, BOM, code rules, and part number creation.

WORK EXPERIENCE

CYIENT LIMITED (ALSTOM)

QNGR Project Mar 2022 - July 2023

- Developed assembly and welded drawings for interior and exterior components, adhering to Bombardier and BTA standards.
- Managed VPM/PDM for assembly structure and BOM, prepared DRLs, and ran FSF reports.

Bhopal-Indore Project

- Designed DM car end-wall structure, L-brackets, and hinge brackets, ensuring customer criteria.
- Provided EBOM for parts and assemblies for suppliers.

LRV Project

- To design and development of 2D Drafting of sidewall Door pods, ceiling installation assemblies and handrails of interiors of LRV project, Germany.
- Based on customer requirement to develop the EBOM for Assemblies

Intelizign (Mercedes-Benz) July 2024 - Present

- Deputed by Intelizign to Mercedes-Benz, worked for release management team (AMG).
- Documentation KEM/SMARAGD release for AMG carline in DIALOG.
- Checking code rule feasibilities and ambiguities,
- Worked on head unit and ECU submodules for AMG carlines.

SKILLS

Very Good Expertise in UG NX, CATIA, Auto CAD, DMA, Enovia & PDM tools

Very Good Expertise in Part design, Sheet metal design, Generative Shape Design, Drafting, Assembly Design.

ECN / ECR implementation.

Creation of part and Assembly level drawings for manufacturing and installation

Project Planning.

Quick learner and good team player.

Sheet metal design.

EDUCATION

Masters in software Engineering program

Woolf University (Scaler) Dec 2023 – Pursuing

Master's in design and Ansys of hybrid electric vehicle

Skill-Lync Development Centre Sep 2020 – April 2021

Bachelors of Engineering

Jaya Sakthi engineering college (JSEC) Aug 2016 – July 2020

Academic projects

Design and Fabrication of Abrasive grinding machine by using CREO.

Evaluation of mechanical properties of combined composite materials with epoxy resin

Intermediate junior college

Narayana junior college (MPC) July 2014 – April 2016

SSC

Board of Secondary Education, Andhra Pradesh April 2014