ANANDHAKRISHNAN G

Career objective:

I am a passionate CAE engineer; exploring opportunities to learn and develop along with the company.

Summary:

- **CAE ENGINEER**
- Mesh developer using Ansa software in **UI bridge solutions from May'2023 to present**.
- Experience in performing pre-processing/HyperMesh
- Experience in Parts and Assemblies - Car hood, CCB mode, Rear door, Bottle cap, Fan housing, Instrument Panel
- Experienced in performing connections for Rear door by using rbe2, rbe3, seam weld, spot weld, bush connection,HyperMesh
- **CAD DESIGNER**
- Experienced in 3D modelling and detailed drawing creation using SolidWorks, worked on sheet metal, weldments
- Developed part and surface models and manufacturing/assembly drawings creation.
- Good knowledge and experience in GD&T
- **QUALITY ENGINEER**
- Worked in Assembly QC, verifying all the dimensions as per the drawing,
- Worked on the in-process report, and checked machine parameters

Education:

Bachelor of Engineering in Mechanical engineer (**ME**) from university college of engineering, kanchipuram. Year Of Passing – 2020

Work experience:

- Working as a **Mesh model developer** at UI Bridge Solutions from **May'2023 to present**.

Previous Experience:

ZF WABCO as Quality Engineer (Aug 2020 to APL 2022)

VERTEX RESEARCH CENTRE as a Cad designer (July 2022 to Jan 2023)

Technical skills:

Tools Used : ANSA, SOLIDWORKS, AUTOCAD, CREO, HYPERMESH (on going), ls-dyna (on going)

Project 1 -	Instrument panel
Description	Developing the model to Nastran deck. Including FE generation using casting method for trim model, feature capturing and mesh flow correction using align manager.

Interface used	Ansa pre-processor
Roles &Responsibilities	• Input component study, perform the meshing as per requirements, do the quality checks and deliver the part with the required quality on time. • Check the geometry for performing 2d mesh or 3d mesh accordingly • Geometry cleanup, FE generation, providing the quality criteria, feature capturing to required quality criteria • Delivery the part on time with zero off elements • Keep the trias percentage within the given limit before delivery the part • Thickness assigning should be done before delivery the part

Project *2*-	Rear door connection
Description	Creating the connection to Nastran deck. Which means to do structural analysis.
Interfaces used	Ansa pre-processor
Roles &Responsibilities	• Input component study, perform the meshing as per requirements, do the quality checks and deliver the part with the required quality on time. • Check the geometry for performing 2d mesh or 3d mesh accordingly • Geometry cleanup, FE generation, providing the quality criteria, feature capturing to required quality criteria • Delivery the part on time with zero off elements • Thickness assigning should be done before delivery the part • Making the connections of rbe2, rbe3, door hinge connection, seem weld connection, bush connection to door window glass, providing mass to door handle bar

Project *3*-	AUTOMATIC TELESCOPIC RAMP
Description	Auto telescopic ramp, which means it is telescopic concept to car down to show up. To collapse and extend conditions cascade mechanism were used
Interfaces used	Solid works
Roles &Responsibilities	• Creating conceptual design to DAP from customer and that concept developed to DFM with exact dimension and making drafting, BOM creation