RESUME

Vignesh R   Mob : **+91 7598097844**

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Career Objective:

To work with an organization which is progressive and giving me an opportunities to reveal my talent while continuously contributing to the growth of the organization and thus my career growth.

Job profile:

- 3+ years of experience as CAE Engineer using ANSA tool to develop full vehicle models (BIW, Closures, Frames, Sub-Systems) for various analysis such as Crash, NVH and Durability.

- Having experience in full vehicle integration (defining connection, Weld debugging, defining contact) activities for Safety domain.

- Having experience in TBIW Integration for NVH Domain.

- Checking CAD modules and Geometry clean up.

- Creating Connections and mid surface and Meshing (Shell, Solids)
- Knowledge of connection & modelling requirements and criteria for Crash, Durability and NVH.
- Having experience in Benchmarking activities for BIW
- Having experience in Hexa meshing activities on different level of components like Wheel rim, Control arm, Brake disc, Stabilizer bar etc.

Educational Qualifications:

- B.E. Mechanical Engineering, First Class with 73%,Year 2016 ,Thanthai Periyar Government Institute of Technology, Anna University, Chennai.

- H.S.C, First Class with 91%, Year 2012, GST Higher secondary school, Sankarankovil.

Software Exposure:

Pre-Processor Tool: ANSA 18.1.2, ANSA 20.1.4 OS: Windows, Linux

Post processor Tool: Meta post, Hyperview

Professional Summary:

1) **EINNEL TECHNOLOGIES, Chennai. (**August 2018 to Present**)**
   Designation: PROJECT ENGINEER.
2) Client Location, **FIAT CHRYSLER AUTOMOBILES, Chennai**. (September 2018 to till date)

Responsibilities:

- Handling a Team with due responsibilities right from beginning till the end of the project.
- Handled BIW for all the three domains, all the Subsystems and handled all Closures.
- Maintaining Tracker, assigning work & delivering projects to client directly.
  Handled Full vehicle body Model
- Studying the Geometry and Analysis of Mesh requirement, Documentation, Project Time estimation, scheduling, execution and interaction with Chrysler CTC.
- FE Modeling, Weld Validation, create masses, Create Connections, Thickness and Material Updation, Performing all Major checks, as per SOP and Champions request.
- Preparation of PPT to bring any discrepancies to Champion's notice.
- Reviewing and finalizing the model as per guidelines.
- Managerial activities like Preparing Trackers, Finding Critical Path, Resource Work Allocation, and Making Operations Review presentations.

PROJECTS HANDLING:

Modelling and Connection of TBIW (Trim body)

- Project involves Development of full vehicle BIW Model for NVH, IMPACT and Durability Analysis.

- Involved in checking and comparing of New CAD with the reference one and Making Queries to Chrysler, CTC, USA. for Missing Parts, Major Intersection Parts, Thickness Variation for Symmetry Parts, Empty Includes Checks (File Size Problems), Parts to be/ not to be model, Materials not available in DB.
- Modeling Parts Includes BIW (Upperbody & Underbody Parts) and Closures (FR Door, RR Door, Lift Gate, Hood) for average as per SOP and guidelines.
- Involved in Weld-Validation Process and Connection for Full Vehicle such as Spot Weld Realization, Adhesive Realization, Mig weld Connections, Bolt Connections in BIW Parts and Hemming Connections, Connection in closures Parts as per SOP.
- Involved in Material and Thickness Updations as per EBOM and Reference Model and Assigning Module ID and Maintaining Tree Structure for different Assemblies.
- Performing Major checks including Connectivity, Duplicate, Free Nodes in Whole DB, Geometry, Mesh Quality for Shell and Solids, Model Data, Undefined Materials, Intersections between Parts and Dependency.
- Deliver the Full Vehicle model along with Check Sheets (.xml) and perform with zero milli second run analysis for dyna and perform Op2 file for Nastran.

Modelling & Connection of Subsystems

Description:

- The scope of the project is to mesh and connection the subsystems (Powertrain, Exterior & Interior trims) as per the Clients requirements based on different domains (DURA, SAFETY, and NVH).
- Performing the connection process such as maintain the rigid patch, bolt connection, Joints connection as per SOP.
- Performing to given the contact, Database cross section, History node & history beam.
- Performing Major checks including Connectivity, Duplicate, Free Nodes in Whole DB, Geometry, Mesh Quality for Shell and Solids, Model Data, Undefined Materials, Intersections between Parts and Dependency.
- Performing in penetration removal process.
- Deliver the individual model along with Check Sheets (.xml) and perform Op2 file for Nastran.

Personal Details:

Father's Name	:	**Ramachandran S**
Date of Birth	:	08th May 1995.
Gender	:	male
Marital Status	:	Single
Languages Known	:	English, Tamil.
Nationality	:	Indian
Permanent Address	:	9, Sekkilar Street, Sankarankovil, Tenkasi DT - 627756

Declaration:

I hereby declare that, the above mentioned particulars are true to the best of my knowledge and belief.

(VIGNESH R)