



A.N.V.Sandeep

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Objective:

Keen to work with an organisation that helps in tapping my potential abilities and skills thus enabling me to grow professionally where I can contribute towards continuous growth of organization and myself, utilizing my knowledge for Product Development.

Academic Profile:

Course	University/Board	Duration	Percentage
B.Tech(Mechanical)	V.K.R, V.N.B & A.G.K College of Engineering, affiliated to JNTU Kakinada AP	2012-16	76.70
+2 (Class XII)	Vikas Junior college, Kaikaluru Board of Intermediate AP	2010-12	77
SSC (Class X)	Vikas Talent School, Kaikaluru Board of Secondary education AP	2009-10	74

Professional Experience:

- **5 years** of professional experience as a design engineer in **CAE** in which involves extensive experience in **Modeling and Analysis**.
- Working as a **Sr Analyst** in Satyam Venture Engineering Services Pvt Ltd, Hyderabad from May 2022 to till date
- Worked as a **Jr Modeller** in Hyundai Motor India Engineering Pvt Ltd, Hyderabad from March 2019 to April 2022

Functional Skills:

☐ CAE Software

- Hypermesh
- Simlab
- ANSA
- Optistruct, Abaqus

☐ CAE Capabilities

- FE Modeling of 1D, 2D & 3D components
- BIW Meshing of Automotive components
- Deck preparation and Modal Analysis

☐ CAD Capabilities

- AutoCAD
- 3D solid modeling
- Defeaturing

☐ Meshing of Components using Hypermesh

- The Mesh quality is achieved by retaining the original geometry
- Defeaturing, geometry cleanup of small rounds and fillets

- Tet-hex Interfaces are meshed locally with good quality pyramids
- BIW meshing of Automotive panels
- Meshing using 3D and 2D interface
- Modeling as per required quality criteria for respective domains NVH , CRASH & DURABILITY

PROJECTS HANDLED:

1. FE Modelling of Automotive Components

Software Tools : Hypermesh

Description : As per the required quality criteria for NVH Analysis, Durability Analysis etc meshing of Under Body, SIDE Body, Back panel, FEM, Door Trims, Hood, Bumper, Steering gear, Suspension assemblies, etc. Maintaining the quality criteria, creating rigid, welds and bolted joints.

2. Experience in full vehicle integration, using rigid connections, spot welds, L&T type welds, projections welds, adhesives, bolt connections and contacts.

3. Modal analysis

Software Tools : Hypermesh, Optistruct

Description : prepared model set up for Hood and Bumper assembly. After run complete observe the frequency and structural modes shapes up for Hood and Bumper assembly.

4. Static analysis

Software Tools : Hypermesh, Optistruct

Description : prepared Static analysis model set up for Hood assembly. After run complete observe the displacement and stresses for the components.

5. Prepared error debug modal using **Abaqus** for leaf spring assembly

Personal details:

Name	:	Amudalapalli Naga Vinay Sandeep
Father's name	:	A. Subba Rao,
Date of birth	:	23 rd January 1995
Permanent address	:	D No 1-79, Bomminampadu, Mudinepalli Mandal, Krishna District, Andhra Pradesh-521343 Mobile No: 9849894837
Gender	:	Male
Languages known	:	Telugu, English and Hindi
Passport	:	Having a valid Indian Passport

Declaration:

I hereby declare that the above information is true to the best of my knowledge.

Signature: