RESUME

A. Suresh **Email**: sureshmecad@gmail.com | **Mobile: +91-9980233554**

Career Objective:

To be associated with progressive organization that gives me scope to apply my educational and technical skills to provide me with advanced opportunity and knowledge empowerment to contribute to the overall development and growth of the company as well as my career.

Professional Experience: 15 Years Experience

- Presently working as a Project Lead in **ASM Technologies**, 7th Mar 2015 to till date.
- Worked as a Manager in **Daimler India Commercial Vehicle Ltd**, from 19th Apr 2010 to 6th Mar 2015.
- Worked as a Sr Design Engineer in **Infotech Enterprises Ltd**, from 5th June 2006 to 25th Nov 2009**.**

Technical Skills:

- Part Modeling | GSD | Assembly | Detailing | Sheet metal | FTA |
- BIW, Sheet metal and Plastic (Bumper & Grille) design.
- GD&T Stack up analysis, QDCF, A3, DFMEA, and DVP.

Software Skills:

- | CATIA V5 | UG NX | ENOVIA | TEAMCENTRE | KOLA | CREO VIEW | WINDCHILL(PDM-LINK) |

Education (Qualification):

- Completed ME CAD from Sathyabama Deemed University, Chennai, Tamilnadu, with 78.5% in 2005.
- Completed B. Tech in Mechanical Engineering from Sri Venkateswara Engineering College, Chittoor, A.P, with 66.7% in 2003.
- Completed INTERMEDIATE from Sri Venkateswara Jr College, Chittoor, A.P, with 69.3% in 1998.
- Completed S.S.L.C from Bommasamudram Public School, Chittoor, A.P, with 63.5% in 1996.

COMPANY#1

1. GTT (JAN 2021 to till date): CAB ARCHITECTURE

- Concept CAB: Worked on cab structure for new mono-rail cab.
- CAB Architecture proposal for P1704 & P1706 (Alarm ECU Installation)
- CAB Architecture check for P1704 & P1705 (chassis fairing / Virtual build / MAA-CAD Module / Harness check for LED in A Pillar, FLC, VRU Rear screen)
- CAB Architecture check for P1706 (MAA-CAD Module / Harness check for DC-DC Converter)

2. VOLVO CARS [VCC Satellite] (Jan 2020 to DEC2020):

- **Development of Bumper and Grilles**
  - Two weeks in Gothenburg, Sweden for team center training.
  - Developing Rear Bumper & Grille for Volvo Cars.
- **Individual Contribution**
  - Design and Development of rear insert, splitter, rear chrome inscription, FSR Bracket, rear cover upper, Grille changes (Mesh, Frame, Seal, Diagonal, Momentum channel, EMBLEM) changes in 522A & 622A.
  - 3DPMI generation for parts using FTA.
  - Supplier feedback on Tooling changes, FFI, split lines, Grain lines, surface class, markings, and Measure points.

3. VOLVO GTT [SEMCON ODC] (OCT 2019 to DEC 2019):

- Worked for BIW parts of MACK trucks.
- Design of BIW concept based on customer requirements.
- Generating 2D drawings for production with GD&T.

4. VOLVO BUS (Mar 2015 to Aug 2019):

- Sub system and component level designing of BIW using CATIA V5.
- Good Knowledge in GD&T, DFMEA, DVP, QDCF.
- Interact with implementation / supplier / CAE group to optimize the BIW design.

Work Description:

- Solving Project and Factory Protus from Industry.
  i. Investigation on issue.
  ii. Proposing solution to industry, if required conduct TJR (Trial Job Request) on vehicle.
  iii. Releasing DCN (Design Change Note).
- Designing of CA (Customer Adaptation) activities.
  i. Design of BIW concept based on customer requirements.
  ii. Packaging study and Design review with cross-functional team.

iii. Generating 2D drawings for production.
iv. Line support and implementation with Process Engineer.
v. Releasing 3D & 2D in system.

- Cost Ratio

Projects executed at VOLVO BUS:

Project Name: Coach and Intercity Buses

Position: Designer

Tool : CATIA V5, KOLA

Projects:

1. **Factory Protus:** Resolving line issue**s** for running vehicles - B8400 (B7RLE), B9400 (B7R, B8R, B9R & B11R**)**
2. **CA (Customer Adaptation)**
   i) Sleeper Shell B11R VL13.7 & VL14.5 (HANS & RAKESH SOOD)
   ii) B11R 14.5 Rear Toilet with rear Emergency Door (KSRTC).
   iii) B7R with Middle Door and Middle Toilet (India)
   iv) B8R/B11R with FDSS at front and rear of luggage area and 1/3rd luggage area (APSRTC).
   v) B8R / B11R sleeper shell.
   vi) SAFE 2x2 B9R Floor mounted type seat layout.
   vii) AIR INDIA SATS B8400 (B7RLE).
   viii) BMTC B8400 (B7RLE/B8RLE)
   ix) B9R, Converting existing Gang Floor of 2x2 seat layout to Flat Floor of 2x1 seat layout.

COMPANY#2

Work Experience at DAIMLER:

- Sub system and component level designing of BIW using CAD software like CATIA V5 & UG NX 9.0.
- Having Work experience in BIW design area, adequate knowledge of Sheet metal process and its assembly Procedures.
- Proficient in BIW design in surface/solid modeling and assembly design using CATIA V5 & UG NX 9.0.
- Having good communication skills and team work to interact with design, test and manufacturing engineers.
- Good Knowledge in GD&T, DFMEA, DVP.
- Interact with implementation / supplier / CAE group to optimize the BIW design.

Work Description:

- Generating Own and Benchmarking concept design and validating in Proto.
- Preparation of technical details for RFQ document.
- Sending data to Supplier to get Proto parts for fitment trials. Finalizing design and releasing in system through V Release.

- Design update based on
    1. Supplier feedback on Part manufacturability / Feasibility / Quality
    2. CAE, Process changes / Changes in assembly sequence or Relocation of Spot weld or MAG based on Proto, B sample build feedback.
    3. Data transfer to supplier for getting C Sample parts by soft tooling.
    4. Testing and Validation by Hydro Pulse / Rough Road/ AIS 029. Weld destructive test, Electro coat tear down test, Salt spray test, Shower test feedback.
    5. Design update based on above feedback and releasing in system through P Release for series tooling kickoff.
- Series part development for D Sample build and based on feedback releasing in system through Blank Release.
- Cross functional meetings for RFQ, CRM, DRM, APQP, DFMEA, DVP.
- Generating Part / Sub-Assy / Assy drawings with GD&T, A0 drawings, weld points creation / weld process sheet, Homologation drawings, Paint and sealant drawings, Cab repair manual using Catia V5 & UG NX 9.0.

Project executed at DAIMLER:

Project Name: LMDT / HDT RHD LHD

Position: Manager

Tool : CATIA V5, UG NX 9.0, SMARAGD & ENGINEERING CLIENT

Projects:

1) LDT: 914R, 1214R & 1217C RHD (DAY CAB)

a) Design a day cab 914R, 1214R & 1217C due to cab lift
   i) Single floor converted into Front and Rear Floor
   ii) Side structure & B Pillar grab handle addition
   iii) Rear Structure, Roof and Front Panel modification based on Rough Road.
   iv) Door Inner & Outer panels (RVM / KERB mirror)
   v) Head Lamp mountings

2) MDT: 1617R RHD (SLEEPER CAB)

a) Design a sleeper cab 1617R by taking reference from existing day cab design.

   i) Conducted on field benchmarking for understanding the sleeper cab design, type of material used, storage spaces, utilities & amenities provided in the existing cab designs.
   ii) Front Floor, Middle Floor, Rear Floor, Side & Rear Structure, Roof, Head lamp mounting and Door changes.
   iii) Converting fixed sleeper berth to foldable sleeper berth.
   iv) Cab Tilting mountings design for Sleeper Cabin 1617R.
   v) 1217C Kerb Mirror mounting design in Front Structure.
   vi) A Pillar trims, Head liner, Side panel and Rear panel trims.

3) LDT / MDT CONVERSION OF RHD INTO LHD

a) Converting all variants from RHD into LHD by symmetry concept for export market.

b) Floor communizing for seat mountings, ABC pedals, steering and Gearshift lever.

4) HDT: 2523R, 2528C, THUNDERBOLT RHD / LHD

1. Converting rear sliding window to fixed window.
2. Communizing rear sliding window for HDT & MDT.
3. Washer tank design for comfort suspension Thunderbolt deep mining vehicle.
4. Door seal and window guide rail localization.

COMPANY#3

Project executed at INFOTECH ENTERPRISES LTD:

Project Name: ALSTOM Corporation - TGV & VALENCIENNES

Position: Senior Design Engineer

Tool : CATIA V5/V4

Work Description:

1. Create the Sheet metal parts using Sheet Metal Design workbench from the given 2D drawings, read the drawing notes and indication, if required, and implement those in the 3D model.
2. Standard DTR part to be created by taking outer dimension.
3. Check the Part model against the supplied drawing for validation.
4. Assemble the parts with constraints as per the given position dimensions in the drawings.
5. Check for clash between parts during assembly.
6. Generating Drawings as per standards and specifications.
7. Quality checking of solid model to be done by taking sections in CATIA V5 space. Create drawing views/sections and dimensions, if required, check the geometry against the supplied drawing for validation.
8. Quality checking to be done for Drawing with respect to check list, Reference Drawing and with Q-Checker.

Projects:

1. Coach window assembly

2. Electrical box

3. Manufacturing Drawings

Personal Details:

Name	: A Suresh
Current Occupation	: Project Lead
Passport No. (Valid Upto)	: N1516679 (29/07/2025)
Father's Name	: A. Raghunatha Naidu
Date of Birth	: 16-06-1981
Gender	: Male
Nationality	: Indian
Marital Status	: Married
Languages Known	: Telugu, Tamil, and English
Interests	: Cricket, Tennis.

DECLARATION:

I hereby declare that all the above given information is true and correct to the best of my knowledge and belief.

Place: Yours Sincerely,

Date: (**A.SURESH)**