



VINIT B.
M.Tech (Mechanical Engineering)

CAREER OBJECTIVE:

M.Tech graduate with **4+ years of work experience** in the **CAE Crash and Seating Domain**. Seeking a career in a reputable company to develop solutions for the company and give high quality results for the duties being undertaken. Skilled in tools like **ANSA, Ls Dyna, Hypermesh, Hyperworks, Animator**

PROFESSIONAL EXPERIENCE:

KET Munich Engg, Pune (BMW Offshore)

CAE Analyst (1st August 2024 -Present)

- **CAE Engineer working for BMW in the Seating domain**
(Deputed through Rheomold for initial 6 months)
- 1. Responsible for model buildup of loadcases and analysis of 1st & 2nd row seat as per BMW MoCo guidelines
- 2. Performing 0G, 40G, EDP-Pendulum, Luggage Retention runs on the seats as per the ECER Regulations and Loadcase Guidelines
- 3. Clearing the seats for Kinematics articulation etc.
- 4. Responsible for review from the mesh team and include preparation
- 5. Regularly communicating with the German team and client

Tata Autocomp Technical Center, Hinjewadi

CAE Engineer (21st November 2022 - 20th July 2024)

- **CAE Engineer (Adient ODC, Dorel seating ODC)**
- 1. Responsible for creating finite element 2D and 3D models for different seat components
- 2. Assigning element properties and material properties as per given input
- 3. Hex foam meshing along with structural connections, removing intersection and penetrations as per client requirement, quality validation as per the meshing SOPs
- 4. Final review of the mesh and delivering project as per the client timeline

G2G Innovation, Pune

CAE Engineer (23rd June 2021- 18th November 2022)

FEA Modeling of Plastics and sheet metal parts for Crash and Durability

CAE PROJECTS:

1. Pendulum Impact on Head Rest Test Frontal & Rear (EDP)

Client Name: BMW

Description: Meshing, Model Build up and Analysis for Energy Dissipation Performance Test.

Softwares used: Ansa, LS DYNA, Animator

Role: - Collecting updated data for the Seat and pre-processing using Ansa followed with,

- FEA modelling, quality as per requirement, connection and deck preparation as per required condition.
- Post-processing in Animator
- Validation of results as per ECER-17 regulation

2. Seat Belt Anchorage (SBA)

Description: Setup, Analysis and Post processing for Seat Belt Anchorage

Softwares used: Ansa, LS DYNA, Hyperworks, MS Powerpoint

Role: - Collecting open-source CAD data for the Seat

- Pre-processing using Ansa followed with, FEA modelling, quality as per requirement, connection and deck preparation as per required condition.
- Post-processing results validation in hyperview.
- Collecting data for report building, and validation of results as per regulations.

3. Luggage Retention Test

Description: Meshing, Model Build up and Analysis for Luggage Retention Test.

Softwares used: Ansa, LS DYNA, Animator

Role: - Collecting open-source data for the Seat

- Pre-processing using Ansa followed with, FEA modelling, quality as per requirement, connection and deck preparation as per required condition.
- Post-processing in Animator
- Collecting data and validation of results as per regulations.

4. 0g and 40g runs for Seat

Client Name: BMW

Description: Modelling of full seat and check runs

Software used: Ansa, LS Dyna, Animator

Role: - Collecting input data and confirming with requirements.

- Meshing; along with structural mesh according to BMW MoCo criteria
- Worked on connections and removing intersection and penetration
- Modelling build up according to the given guidelines
- Performed final check

ACADEMIC QUALIFICATIONS:

Completed **MTech** from **Pune University** in **2023** with **8.7 CGPA**

Completed **BE Mechanical** from **Pune University** in **2021** with **7.91 CGPA**

SOFTWARE PROFICIENCY:

Ansa, LS Dyna, Hypermesh, Hyperworks, Animator

PERSONAL PROFILE:

Name	:	Vinit Subhash Bhosale
Date of birth	:	18- Aug- 1998
Languages known	:	English, Marathi, Hindi, German (A2)