

**Mr. Akshay Rajendra Pacharne**

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**CAREER OBJECTIVE: -**

Looking forward to work in an elite organization where my technical and logical skills can be put to contribute directly benefit the establishment and which will also help me to explore myself fully and realize my potential.

**Total Experience: ( 3.3 year)**

- Working as **CAE ANALYST** with **RHEOMOLD ENGINEERING SOLUTION, PUNE** from **Octo 2019 - till date. (2 Year)**.
- previously worked with **APOLLO Technologies, Pune** as a **CAE ENGINEER** from **JULY 2018 to OCTO 2019 (1 Year 3 Month)**.

**SOFTWARE SKILLS:-**

FEA Software

- Pre-Processor: **Hypermesh**.
- Solvers: **Basic Knowledge of Ls-Dyna**
- Postprocessor: **Hyperview**

**ACADEMIC QUALIFICATIONS: -**

Education	Year of Passing	School/College	University/Board	Percentage
MTech (CAD/CAM)	2021	G.H. Raison College of Engineering and Management, Pune	Savitribai Phule Pune University	CGPA 8.65
B.E (Mechanical)	2017	Smt. Kashibai Navale College of Engineering, Pune	Savitribai Phule Pune University	72.17
H.S.C.	2013	Vidyadham Junior College of Science, Shirur	Maharashtra State Board	83.67

## **CAE MESHING PROJECTS:**

### **1. Mesh for Seating System Assembly**

Software: Hypermesh:

- Completely mesh the FE model for seating parts as per customer guidelines.
- Worked on seating assembly which include Foams, wires, plastic parts and structure.
- Penetration and intersection removal is being carried out Supported.

### **2. Mesh for Door and IP Assembly**

Software: Hypermesh:

- Completely mesh the FE model for Door and IP assembly parts as per customer guidelines.
- Penetration and intersection removal is being carried out Supported.

### **3. Hex and Tetra Mesh**

Software: Hypermesh:

- Hex or Tetra Mesh of Rods, Nuts, Bolts and some metal parts as per customer guidelines.

## **CAE ANALYSIS PROJECTS:**

### **Project-1: Ball drop test on Back panel using Ls- Dyna.**

Description: this test is carried out to find out the stress and deformation occur in Back panel.

- Deck preparation with proper contacts.
- Simulation is done on LSDYNA solver.
- Postprocessing was done using HYPERVIEW software.
- CAE report preparation

### **Project-2: Impact test on First door Assembly using Ls- Dyna.**

Description: This impact test is carried out for find out proper weld beam and rigid connection and structural integrity of door assembly.

- Deck preparation with proper Weld beam and Rigid connection and proper contacts.
- Simulation is done on LSDYNA solver.
- Postprocessing was done using HYPERVIEW software.
- CAE report preparation.

### **Project-3: Frontal Crash Analysis on Frame of material handling vehicle.**

- This analysis is done to find out structural integrity of frame of material handling vehicle.
- The objective of is to find out stresses, strain and deformation in the frame of material handling vehicle.

### **ACHIEVEMENTS & PAPER PUBLICATONS:-**

- Gate score in Feb-2018 exam is 494 out of 1000.
- Published research paper on 'Modification of float of Dines Pressure-tube Anemometer in IJRIT Journal.
- Published research paper on 'A novel Approach for the Preliminary Screening of Automotive Brake Pad Materials using MACBETH Technique' in IJRAR Journal- UGC Approved Journal.

### **PERSONAL DETAILS:**

**Name** : Akshay Rajendra Pacharne

**Nationality** : Indian

**DOB** : 29/06/1995

**Languages known** : Marathi, English, Hindi

Hence, I request you to give me an opportunity to serve in your esteemed organization in the capacity mentioned above for which act of kindness I shall be grateful to you.

Thanks and regards...

**(Akshay Pacharne)**