

CAREER OBJECTIVE

- As an engineer with more than two years of experience specializing in static and dynamic analysis, I am highly motivated and adept at working in professional, results-driven environments. I aim to utilize and further develop my skills, knowledge, and experience to contribute to organizational goals while continuing my own growth.

Pranav B

PROFESSIONAL EXPERIENCE

- Equilibrium Solutions Pvt. Ltd.
 - Designation: CAE Engineer
 - Experience : August 2023 – Present (**2.3+ years** of experience)
- Roles & responsibility
 - Experience in FE modelling, assembling & connection of sub-assemblies.
 - Skilled in conducting static analysis (Linear and Non-Linear), Modal analysis, Dynamic analysis.
 - Expertise in modelling BIW structures, closures & other assemblies.
 - Strong experience in shell meshing of plastic parts (trims, instrumental panel, console etc.), tetra & Hex meshing, Hybrid meshing.
 - Different types of 2D, 3D mesh (complex Hex mesh) and deck preparation for ABAQUS solver in ANSA (Pre-processor).
 - Experience in rigid connections, bolt-connection and weld connections.
 - Sound knowledge of engineering fundamentals.

KEY SKILLS

- **Pre-Processor** : ANSA and Hyper mesh
- **Solver** : ABAQUS, ANSYS Workbench/FEA, Basic of Optistruct
- **Modelling Tool** : SOLIDWORK, CATIA
- **Post-Processor** : META-POST, HyperView, ABAQUS Viewer.

KEY ASSIGNMENTS

• ANALYSIS PROJECT IN CAE

Project 1: Harmonic response and random vibration analysis on inverter-

- Carried out harmonic response and random vibration analysis on Inverter assembly to analyse the dynamic behaviour during its operation.
- Demonstrated proficiency in finite Element FE Modelling, Deck Setup, Model Analysis, Harmonic response, Random vibration analysis.

Project 2: Car towing (Hook) analysis-

- The scope of the project is focusing on evaluating plastic strain, maximum stress, and bolt reaction forces within designated areas.

- Demonstrated proficiency in finite Element FE Modelling, Deck Setup, Static structural analysis, Model analysis.
- **MESHING PROJECT IN CAE**
- FE Modelling and Deck Setup of Hatchback BIW For LS-DYNA And Nastran.
- FE Modelling of Plastic /Sheet Metal Components of Car.
- FE Modelling of Hybrid (2d and 3d Mix Element) Components of Car.
- FE Modelling for Front and Rear door assembly.
- FE Modelling and Deck Setup of Motorcycle Engine Frame for Abaqus.
- FE Modelling for Car Towing (Hook)Analysis.

EDUCATION

- Master of Design Engineering 2022 - 2023
Walchand College of Engineering, Sangli
GPA: 8.97

- Bachelors: Mechanical engineering 2018 - 2021
DBATU, Lonere Raigad
GPA: 8.57