



NARAYAN L.

PROFESSIONAL PROFILE

Highly motivated CAE Engineer(Crash Domain) with around three year of hands-on experience in the automotive industry. Proficient in Finite Element Analysis (FEA) and skilled in utilizing industry-leading tools such as Hypermesh, ANSA and LS-Dyna. Possess a solid foundation in conducting simulations and evaluating results to inform design decisions.

Collaborative team player with effective communication skills, able to contribute to cross-functional teams. Eager to leverage my skills and experience to drive success in CAE projects and contribute to the continued advancement of automotive technologies.

TECHNICAL SKILLS

- Hypermesh
- ANSA
- Ls Dyna
- Primer (Basic)

WORK EXPERIENCE

APPLUS IDIADA

PUNE

PROJECT ENGINEER I (TATA Motors ODC Crash)

APRIL-24 TO PRESENT

Skills: Explicit, Impact, and Quasi Static Simulations: LS-DYNA, ANSA, Primer

- Developing and analyzing crash CAE models, ensuring accuracy and compliance with industry standards.
- Conducting crash simulations for various impact scenarios, including Quasi-static BIW load cases (RSBA, FSBA), and Roof Crash.
- Automated repetitive tasks to improve efficiency and accuracy in model building and analysis processes.
- Bill of Materials, Value Analysis and Value Engineering

FE SOLVE ENGINEERING PVT LTD

PUNE

Skills: Finite Element Analysis (FEA) · Automotive Interiors · LS-DYNA , Hypermesh

❖ Onsite CAE ENGINEER(At Yanfeng Automotive Interiors) JANUARY-23 TO FEBRUARY-24

- Led simulation projects utilizing LS Dyna software to analyze NVH characteristics, FRF responses, and structural rigidity of automotive instrumental panels, enhancing vehicle comfort and performance.
- Conducted rigorous impact simulations on car instrumental panels using LS Dyna, ensuring compliance with safety standards and optimizing crashworthiness.
- Employed LS Dyna for comprehensive rigidity analysis, optimizing material selection and geometry to improve structural integrity and reduce weight in automotive instrumental panel designs.

TRAINEE CAE ENGINEER MARCH-22 TO JANUARY-23

- Led meshing activities for Body in White (BIW) components using various techniques including Shell, Hex, and Tetra meshing.
- Ensured high-quality meshing to meet structural analysis requirements while optimizing computational resources.
- Collaborated with design and analysis teams to understand component geometry and loading conditions for accurate mesh generation.
- Implemented best practices and meshing guidelines to enhance efficiency and accuracy in mesh creation.

Simulation Hub

PUNE

❖ CAE Intern

JAN-22 TO MARCH-22

As an intern, I worked on an analysis prototype along with the installation and setup manual on Ansys Aeronautics Research | Feature on Wing Flap to Enhance Aerodynamic Efficiency.

ELEATION

PUNE

❖ CAE INTERN

OCT-20 TO NOV-20

In this internship, along with worked Geometry editing, meshing solved 60+ industry-based FEA and CFD problems as per the problem statement shared by Eleation. I have also completed one project, "Crash Analysis of the hood of Car".

EDUCATION

Bachelor of Engineering: Mechanical Engineering

SAVITRIBAI PHULE PUNE UNIVESITY

Sinhgad Institute of Technology, Lonavala - Pune

JULY- 2017 to JULY- 2021

Final Year Project – Thermal Analysis of Battery Cell of an Electric Car.