

# Ayyar Vishwa A

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## Objective:

*Dedicated mechanical engineer with four years of experience in the CAE field, proficient in shell, hexa, and tetra mesh finite element modelling of plastic and sheet metal components. Looking for a job in the CAE sector where I can put my acquired skills and knowledge to use.*

## Software Known :

Software	Competency	Level of Skill
ANSA	Meshing	Proficient
HYPERMESH	Meshing	Intermediate
Medina	Quality	Intermediate

## Summary of Experience:

- Project Engineer at Tecosim Engineering Services Private Limited, April 2023 – Present.
- Junior Project Engineer at Tecosim Engineering Services Private Limited, April 2021 – April 2023.
- Trainee Engineer at Tecosim Engineering Services Private Limited, Feb 2020 – April 2021.

## Responsibilities:

**TECOSIM [17-07-2019 – Present Date]**

 **Client: DAIHATSU**

- Finite Element Modeling of Whole Car BIW and Plastic Components, Rear Wheel Suspension of Mini Truck.
- Proficient in ANSA with a strong understanding of CAD quality checks and cleanup.
- Expertise in meshing Sheet Metal, Plastic Trims, and Casting assemblies in compliance with safety guidelines.
- Capable of independently reviewing and delivering assemblies, clearing penetration/intersection issues efficiently.
- Perform FE modeling and meshing using ANSA software.
- Develop and implement meshing strategies for complex geometries.
- Collaborate with design engineers to understand the requirements and constraints of the model.
- Generate high-quality meshes and ensure adherence to meshing standards.
- Optimize mesh quality to improve simulation accuracy and efficiency.
- Conduct mesh convergence studies to validate the mesh.
- Provide technical support and guidance to the team members.

- Stay updated with the latest advancements in meshing techniques and recommend process improvements.
- Document the meshing process and maintain accurate records.  
Checked the component in accordance with the customer-provided standards for quality.

### Meshing using ANSA

1. Sheet metal/ Plastic parts meshing using Shell/ Solid elements.
2. aware of various quality criteria and its importance
3. Meshing quality checks, Thickness, Material assignment.
4. Various Contacts Modeling as per Ls-Dyna and Meaning.

### Qualification Summary:

- **Diploma in Tool and Die Making** from Nettur Technical Training Foundation (NTTF), Coimbatore with 89% in the year 2019.
- **SSLC** from Army Public School, Bathinda Punjab in the year May 2016.

### Personal Skill:

- Confident & Hardworking,
- Flexibility to work in Rotational shift.

### Personal Details:

Discipline	: Diploma in Tool and Die Making
Date of birth	: 04-08-1999
Father Name	: S. Ayyar Selvam
Permanent Address	: 1/543 Ground floor, CRR Puram, 1 <sup>st</sup> Right Cross Street, Manapakkam-600125.
Gender	: Male
Nationality	: Indian
Languages Known	: Tamil, English, Hindi, Kannada, Telugu.

### Declaration:

I hereby declared the above given information is true to the best of my knowledge and belief.

Place:

Date:

(A. Ayyar Vishwa)