

Giri Murugan

Personal Information

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 → <https://girimurugan17.github.io/>

Profile

A highly motivated calculation engineer with a solid knowledge of structural and material mechanics, and extensive project experience from concept to development. My skills include CFD/CAE and Finite Element Analysis. With strong technical skills, problem-solving skills, and analytical skills, I am looking for an opportunity to innovate product development. Team player and leader with strong communication and organizational skills who is driven to help the company achieve success and take on more responsibilities.

Area of interest

- Finite Element Method (FEM)
- Computer aided engineering (CAE)
- Computational Fluid Dynamics (CFD)
- Numerical Simulation
- Design and Analysis
- Meshing
- Lean Manufacturing
- Structural Mechanics

Work Experience

RNTBCI

Dec 2022 – Aug 2024

CAD PREPERATION (CAE Engineer)

- Worked in major projects as CAD preparation . By collecting the input from the client and I will build the BIW body. While preparing body , if we have any issue , we will directly discuss with clint and we will build the CAD.
- Likewise I will do Gap check between the BIW parts and axle cad preparation , CAVITY input preparation, Connection preparation and meshing jobs .
- I will prepare 231 JGB inputs which contains COG and masses of all openings , PWT and Fuel tank. This input is used in synthesis from first output team.

Education

Post Graduate program CAE (SKILL-LYNC)
PG | Skill-Lync

October 2023 – present

Mechanical Engineering
Bachelor of Engineering | Sona College of Technology
Salem, India.

August 2018 – April 2022

**Student assistant
FMAE – FFS 2019**

Jan 2019 –Oct 2019

- I have took part in FFS 2019 with a team TEAM TERASVIN of 22 members. I have played a major roll as a Steering team lead and for our vehicle we have use rack and pinion steering system.
- As per the FMAE Standards, we have build an formula race car.

**Student assistant
SAE BAJA 2021**

November 2020 – April 2021

- I have took part in BAJA 2021 with a team ZOGATO of 20 members.
- In this event we have to build the offroad vehicle. But due to lockdown, this event is conducted In online.

Digital Skills

- **CAD/ CAM tools:**

AutoCAD | SolidWorks | CATIA V5

- **CAE/ CFD tools:**

ANSA | LS-DYNA | ABAQUS | NASTRAN | PAM CRASH|, Hyper mesh

- **Programming languages:**

Python | java

- **Other tools:**

Microsoft Office Suite (MS office) | Design Modular | Selenium testing

Language Skills

- Mother tongue(s): Tamil
- Other language(s): English

Certification Course

- Completed NPTEL Course in Introduction to Robotics.
- I have completed Three months internship in Cognizant Technology Solution.
- I have completed java course in Shaiash Infotech .

Workshop

1. Vehicle Dynamics

- An overview of how its applied in our day to day life by driving the vehicles.

2. My Captain Connect on Race Car technology

- An overview of professional F1 racer about the race track and Driving experience.