



# HIRDITYA SASIKUMAR

SOPHOMORE MECHANICAL ENGINEER



## CONTACT



9043508900



hirditya.sasi@gmail.com



linkedin.com/in/hirditya-sasikumar-67a054278



Madipakkam, Chennai, TN



## SKILLS

- Leadership
- Adaptability
- Brainstorming
- Creativity
- Team spirit
- Negotiation



## TECHNICAL EXPERTISE

- SolidWorks
- ANSYS
- CATIA
- MATLAB
- IPG CarMaker
- Python
- AutoCAD
- MS office



## EDUCATION

### ► BE MECHANICAL ENGINEERING

**CGPA : 8.85**      2022 - 2026

College of Engineering, Guindy  
Anna University

### ► SENIOR SECONDARY (XII)

**Board : 98.6%**      2021 - 2022

Prince Matriculation,  
Madipakkam

## PROFESSIONAL PROFILE

As a passionate mechanical engineer, I am driven by a keen interest in problem-solving and gaining hands-on experiences. Eager to acquire new skillsets and broaden my horizons, I consistently strive to deliver my best on any given platform!



## EXPERIENCE

### ◆ CEG MOTORSPORTS

#### ► SENIOR STEERING VERTICAL

APR 23 - PRESENT

- Engaged with a team of 35+ senior undergraduates as an **SAE member** to collaboratively design an eATV for the BAJA 2024, gaining invaluable experience.
- Exploring the intricacies of vehicle dynamics, its design & analysis (**SolidWorks** and **ANSYS**), logistics (vendor collaboration) and fabrication (machine handling, 5S) whilst proficiently handling presentation and reports using MS office.
- Engaged in utilizing **IPG CarMaker** (MBD software) for virtual dynamics and design optimization.

### ◆ SOCIETY OF MECHANICAL ENGINEERS

#### ► DOCUMENTATION COORDINATOR

OCT 23 - PRESENT

Conducted personal interviews, authored and edited articles for the two editions of the **SME magazine**.

#### ► WORKSHOP VOLUNTEER

NOV 23

Assisted participants in the design conceptualization and optimization of 3D printed models using **SolidWorks** and **Fusion 360** (sliced using **UltiMaker Qura**) during the ASCENSION 2023 symposium.

### ◆ CEG TECH FORUM

#### ► EVENTS COORDINATOR

DEC 23 - MAR 24

Involved in developing questions for the CAD modelling event in **Kurukshetra 2024**.



## ACCOLADES

- We as a team secured the **best debutant award**, AIR 2 in maneuverability, AIR 3 in sled pull and **overall AIR 4** in eBAJA 2024.
- Attended BAJA physical workshop at Sairam Engineering College.
- Attended Fundamentals of Vehicle dynamics by CEG motorsports.
- Took part in EV motor workshop by researchers at IITM.