

Sonnathi Harika

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A hard-working automobile enthusiast with a demonstrated history of working with design and manufacturing of a formula student race car, seeking for an internship opportunity to leverage my research and organizational skills.

EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

2018 - 2022

B. Tech in Mechanical Engineering

CGPA: 8.02 (till date)

SRI CHAITANYA JUNIOR KALASALA

2016 - 2018

Intermediate

Marks: 978/1000 in TSBE

CHAITANYA CENTRAL SCHOOL

2011 - 2016

High School

CGPA: 9.8 in AISSE

SKILLS

DESIGN SOFTWARES

- CATIA V5 R20 • SolidWorks
- Solid Edge • AutoCAD

ANALYSIS SOFTWARES

- Lotus Suspension Analysis software • ANSYS (Basics)

LANGUAGES

- Python • C

TOOLS

- GIT (Basics) • MATLAB
- MS Office

EXPERIENCE

TEAM UNWIRED | SUSPENSION AND STEERING ENGINEER

Jul 2019 – Present

- Designed and fabricated a formula race car for the competition SUPRA SAE INDIA.
- Currently working on design and manufacturing of car for Formula Bharat 2022.
- Conducted educative workshops for first year UG students during Tathva 2019.

PROJECTS

FLOW INDUCED VIBRATIONS IN CANTILEVER BEAM | Analysis

Mar 2021-Ongoing | Under Guidance of Dr. Ashesh Saha

Working on experimental analysis of flow induced vibrations in a cantilever beam corresponding to various parameters like flow velocity and dimensions of beam. By means of various control system approaches a design is mathematically modelled to qualitatively match experimental results.

POSITIONS OF RESPONSIBILITY

TRAINING & PLACEMENT CELL NITC | PLACEMENT REPRESENTATIVE

Jun 2020 – Present

Being a PR served as the primary point of contact for each student of our department. Despite academic pressure was very attentive to accuracy and detail. Received applause for unblemished honesty and at most patience.

MAGAZINE COMMITTEE NITC | CONTENT WRITER & EDITOR

Jun 2020 – Present

Major contribution made in writing and editing articles for NITC's 2019 annual magazine. Besides publishing magazines, organized informative lectures, debates and movie screenings.

TELUGU STREETPLAY TEAM | MEMBER

Performed in Ragam 2019

LEAGUE OF MACHINES EVENT | EVENT MANAGER

For Tathva 2019

COMMUNITY INVOLVEMENT

- Voluntary member of Hospitality Committee in Ragam 2020.
- Held a school debutante, as a part of it organized a plethora of literary events for secondary school students.
- Volunteered for an Electronics repair drive during Kerala floods in 2019.