**SAHIL SINGH**

# PROFILE

# A determined and enthusiastic Mechanical Engineering student, passionate about Thermal Engineering, Powertrain Engineering, Design and Analysis

# EDUCATION

## B.Tech. Mechanical Engineering CGPA – 7.82 / 10 2019 – 2023

Amrita School of Engineering,

Amrita Vishwa Vidyapeetham, Bangalore

* **Class 12** – 81.4% **2019**

Institution: FIITJEE Jr. College, Visakhapatnam

* **Class 10** – 100% **2017**

Institution: Kendriya Vidyalya No.1 SVN

# TECHNICAL INTERESTS

* Thermal Engineering
* Powertrain Engineering

# PROJECTS

## Coin Sorting and Counting Machine using Image processing.

## Objective: Designing and fabricating the working of machine to sort and count the multiple coin using image processing and check the authenticity of coins as well.

## Thermal and Hydraulic Performance of Serpentine Mini channel Heat Sink for Liquid CPU Cooling.

## Objective: Designing a Serpentine minichannel heat sink for liquid CPU Cooling to achieve optimized results according to both thermal and hydraulic performance.

# WORK EXPERIENCE

## INTERN

## MTRDC, Defence Research and Development Organization, Bangalore

## Duration/Period: June 2022 - July 2022

## HEAD OF POWERTRAIN DEPARTMENT

## ISIE India (Ameya Team Racing)

## Duration/Period: 2021 – 2022

## HEAD OF POWERTRAIN DEPARTMENT

## SAE BAJA (Ameya Team Racing)

## Duration/Period: 2020 – 2021

# TECHNICAL SKILLS

* **Software**

# Solidworks (Intermediate)

# Fusion 360 (Advanced)

# Ansys (Advanced)

# FLOEFD (Intermediate)

# FLOtherm (Advanced)

# Matlab (Beginner)

# CERTIFICATIONS

# Fusion 360

# Solidworks

# Ansys Solution

# SAE BAJA (2020 - 2021)

# ISIE India (2021 - 2022)

# Intensive Interactive Practice on IC Engine(Hands on Experience) (2019)

# ACHIEVEMENTS & HONORS

# Secretary of SAE club ASEB (2021 - 2022)

# Secretary of Ingenium Forum (2021 - 2022)

# Part of design team for College Annual Magazine

**HOBBIES**

* Art
* Gaming
* Sports