

EDWARD STAINES

M E C H A N I C A L E N G I N E E R



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Chennai, India

EDUCATION

LOYOLA ICAM COLLEGE OF ENGINEERING AND TECHNOLOGY

Mechanical Engineering (2019 - Present)
CGPA - 8.97

ARMY PUBLIC SCHOOL

Higher Secondary School (2017 - 2019)
Score - 90.2%

KENDRIYA VIDYALAYA SANGATHAN

Secondary School (2015 - 2017)
CGPA - 10

SKILLS

DESIGN | • Solid Works • NX Cad • Fusion
360

ROBOTICS | • Robo-analyzer

ANALYSIS | • Ansys

VEHICLE SIMULATION | • IPG Carmakers

CODING | • Python

SOFT SKILLS | • Leadership • Design

Thinking • Logical Analysis

LANGUAGE | • English • Hindi • Tamil

CLUBS / COCURRICULAR

Block and Tackle - 1st Place (2021 & 2022)

ARME (Department Council) - Joint Secretary

Rotaract/NSS - Took part in social service
events

PALS - Student Coordinator

Society of Automotive Engineers - BAJA, NX -
Cad, Mega ATV

PROFILE

Fun and levelheaded person currently pursuing my final year in Mechanical Engineering. I am passionate about automobiles and like to learn and gain new experiences.

PROJECTS / EXPERIENCE

Research and Development Head

Team Turbonites - SAE BAJA (2022 - Present)

- Designed roll-cage which resulted in 18% weight reduction.
- Virtually simulated vehicle
- Brought innovation in design process to better solve problems with newer materials and manufacturing processes.

Captain & Technical Head

Team Turbonites - SAE BAJA (2021 - 2022)

- Lead a team of 30 members & managed Rs. 9,00,000 worth of assets.
- Built and lead the project plan and workflow of various departments.
- Overlooked design philosophy of entire ATV.

National Level Competition - NX CAD Modeling and Drafting.

Society of Automotive Engineers (2022 - Present)

- 48 Hour training on Siemens NX Software.
- Designed and drafted various components.

Innowah - ACES

PALS India (2022 - Present)

- A fully integrated platform that can market and deliver day-to-day services provided by medium, and small Enterprises.

Final Year Project

Heilbronn University (Germany) (March 2023 - April 2023)

Off-Road Braking System

Loyola ICAM College (2021-2022)

- Designed and Manufactured mechatronics system to manually convert open differential to braking locking differential.

INDUSTRIAL VISIT

- Mahindra Research Vally (2021 - 2022)
- TVS Motor (2022 - 2023)
- Easwari Polymers (2019 - 2020)