

HEMANTH.R

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WORK EXPERIENCE

CADD School, Chennai
CAD Trainer

February 2025 Present

Dong woo Surface tech india Pvt. Ltd

January 8 2024 to January 20 2024

Gained hands-on experience in **surface treatment** and **material coating technologies**.

SAE Engine Components Pvt. Ltd

May 2024 -June 2024

Gained practical exposure to internal combustion engine components and their manufacturing processes.

SKILLS

CAD & Modeling Tools: AutoCAD, SolidWorks, CATIA

Simulation & Analysis: ANSYS Workbench

Manufacturing Knowledge: Industrial Surface Treatment

Productivity Tools: Microsoft Office Suite (Excel, Word, PowerPoint)

Soft Skills: Team Leadership, Communication, Problem Solving, Adaptability

PROJECTS

Design and Analysis of Thermal Storage Tank Using PCM

Team Leader — Sathyabama Institute of Science and Technology

- Designed a 25-liter cylindrical latent heat storage tank with embedded aluminum heat exchanger tubes.
- Utilized **SolidWorks** for CAD modeling and assembly of the thermal tank.
- Thermal analysis performed to evaluate the phase change behavior of PCM for the storage of industrial waste heat.
- Focused on sustainable energy storage applications in industrial settings.

EDUCATION

Sathyabama Institute of Science And Technology

August 2022 - Present

Bachelor of Engineering, Mechanical Department of Mechanical Engineering

ACHIEVEMENTS

Pixel Perfect winner second place

22nd August 2023

Techno summit 2023 1st place

7th September 2023

Culture fest 2024 1st place

7th February 2024

CERTIFICATION

- Professional Diploma in Mechanical CAD
- NPTEL Product Design and Development