

ARIVARASU M

MECHANICAL ENGINEER

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SUMMARY

Motivated Mechanical Engineering graduate specializing in **Design Engineering** with hands-on experience in CAD modeling and product design. Skilled in CAD software (CREO & CATIA) with strong interest in developing innovative and efficient mechanical systems.

ACADEMIC HISTORY

ST. JOSEPH'S COLLEGE OF ENGINEERING, CHENNAI. (2021-2025)

- Bachelor of Engineering in Mechanical Engineering
- CGPA - 7.54

NIRMALA MATRIC HIGHER SECONDARY SCHOOL, CHIDAMBARAM. (2018-2021)

- HSC - 82.5%
- SSLC - 76.0%

SOFTWARE SKILLS

- Auto CAD (2D)
- CREO
- CATIA

TECHNICAL SKILLS

- Part modeling, Sheet metal, Assembly design
- Geometric Dimensioning & Tolerancing
- Bill of Materials (BOM) creation
- Drafting & Detailing

INTERNSHIP EXPERIENCES

NLC INDIA LTD, (MAY 2023)

Study about Field Machinery and Crawler Equipment

- Hands-on exposure to field machinery operations and crawler equipment maintenance.
- Gained knowledge on working and applications of heavy field machineries such as excavators, dozers, loaders and crawler-mounted equipments.

INDIAN OIL PETRONAS, (MAY 2024)

Mechanical unit maintenance

- Understanding of LPG terminal operations.
- Worked on the maintenance of terminal's infrastructure in bulk LPG import/export terminal.

PROJECTS

360-DEGREE DRILLING MACHINE

- Developed a flexible 360-degree drilling machine for drilling complicated parts and surfaces in both horizontal and vertical orientations.

MECHANICAL AND THERMAL ANALYSIS OF HYBRID SISAL-GLASS FIBER REINFORCED POLYESTER LAMINATES

- Conducted mechanical and thermal analysis of hybrid sisal-glass fiber reinforced polyester laminates.
- Utilized GNPS particles for reinforcement, improving load distribution and overall composite strength.