

VEERAHARIHARAN V

Mechanical Design Engineer

CONTACT

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ABOUT

Enthusiastic and detail-oriented Mechanical Engineering graduate with a strong foundation in mechanical design principles and CAD modelling. Proficient in software tools such as Creo, AutoCAD, and CATIA in creating technical drawings. Adept at applying engineering concepts to real-world problems, with a keen interest in product development, design optimization, and manufacturing processes.

EDUCATION

Bachelor of Engineering (B.E) in Mechanical Engineering

Saveetha Engineering College, Chennai

2022 – 2025 | CGPA: 8.0

NACHIYAPPA SWAMIGAL POLYTECHNIC COLLEGE

Mechanical Engineering

2019 – 2022 Percentage: 87%

Internship

- Hyundai Motor India Limited [06/02/2023 – 17/02/2023]
 - Gained hands-on exposure to automotive manufacturing processes across multiple plant sectors.
 - Learned about assembly line operations, body shop, paint shop, and quality inspection procedures.
 - Understood integration of design, production, and quality control in large-scale automobile manufacturing.
 - Pumo Technovation (Undergoing Currently – 02/06/2025 – Present)
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SKILLS

- CAD Tools: AutoCAD, Creo, CATIA
 - Design Methods: Part Modeling, Sheet Metal, Surface Modeling
 - Drafting: GD&T, BOM Creation
 - Manufacturing Knowledges: Casting, Sheet Metal
 - Software Tools: MS Office (Word, Excel, Power Point), PLM/PDM
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CERTIFICATION

- Automotive Design Course – Pumo Technovation
 - 2D Design Drafting Using AUTOCAD
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PROJECT

Title: Structural Analysis of Rotor Blade of Tractor

March 2025

- Structural Analysis of Rotor Blade of Tractor We selected AISI 1065 steel, mild steel and cast iron as material grades for creating a Rotor Blade 3D model in SolidWorks.
 - After creating the 3D model, we performed stress and strain analysis in ANSYS Workbench and determined the mechanical properties.
 - According to the results, the blade made of AISI 1065 experiences comparatively lower stress than the other materials.
 - For the same material, the weight distribution ratio is also lower compared to others, which leads to a higher factor of safety and, consequently, a longer working life.
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Languages

- English
- Tamil