

# HARISH V

## BE-MECHANICAL ENGINEERING

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### OBJECTIVE

Mechanical Engineer with strong expertise in thermal science and mechanical design. Skilled in analyzing, modeling, and optimizing mechanical systems for efficiency and reliability. Experienced in applying engineering principles to develop innovative and practical solutions. Eager to contribute technical expertise and creativity to challenging engineering projects.

### EDUCATION

#### Coimbatore Institute of Technology

Bachelor of Engineering in Mechanical Engineering

CGPA: 8/10

Coimbatore, Tamil Nadu

Aug 2023 – May 2027 (Expected)

- Thermal Sciences Specialization: Heat Transfer, Thermodynamics, Fluid Mechanics, Thermal Sciences
- Manufacturing & Design: Manufacturing Processes, CAD/CAM, Metal Fabrication, Quality Control
- Manufacturing & Quality Management: Lean and Agile Manufacturing, Total Quality Management

#### Sri Ramakrishna Matric Higher Secondary School

Perambalur, Tamil Nadu

2009 – 2023

### INTERSHIP EXPERIENCE

Summer Intern – Safety Research Institute (SRI), Kalpakkam | May – June 2025

- Developed a high-accuracy analytical model for natural convection in Passive Autocatalytic Recombiners (PARs), enhancing hydrogen mitigation analysis.
- Investigated temperature stratification and multi-zone flow, integrating friction and buoyancy effects to improve predictive reliability.
- Produced detailed technical documentation supporting research decisions and demonstrating strong analytical and modeling skills.

### TECHNICAL SKILLS

- AutoCAD, SolidWorks, ANSYS Workbench
- Thermal Analysis, Mechanical Design, CAD/CAM
- Programming: C, Python (basic)
- Web Technologies: HTML, CSS

### SOFT SKILLS

- Problem-solving & Analytical Thinking
- Teamwork & Collaboration
- Technical Documentation
- Adaptability & Process Improvement

### PROJECTS

- Vision Based Quality Control System for Crop Health Monitoring
- Analytical model for Passive Autocatalytic Recombiner

## ADDITIONAL INFORMATION

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- **Languages:** Tamil (Native), English (Working Proficiency)
- **Certifications & Workshops:**
  1. AutoCAD Level 1 & 2 Certification
  2. Higher Diploma in Computer Applications (HDCA)
  3. Attended **SolidWorks Workshop** at NIT Trichy
- **Industrial Visit:**

**TVS Sundaram Fasteners Ltd.** – Gained exposure to automotive fastener manufacturing processes and quality control practices.

## EXTRACURRICULAR & VOLUNTEER ACTIVITIES

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- **NSS (National Service Scheme) – Coordinator & Unit Incharge**

Organized and managed community service initiatives, fostering teamwork and social responsibility.
- **Quiz Club – Executive Director**

Oversaw club operations including event budgeting, preparing approval letters, and drafting post-event reports; coordinated student participation and event execution.
- **Mechanical Engineering Association (MEA) – Website Manager**

Maintained and updated the association's website, ensuring smooth communication of events and activities.

## REFERENCES

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<b>Dr. A. Karthikeyan, M.E., Ph.D.</b> <i>Department of Mechanical Engineering</i> Phone: <u>+91 4222574071</u>   Email: <u>karthikeyanmech@cit.edu.in</u>	<b>Assistant Professor</b> <i>Coimbatore Institute of Technology</i>
<b>Dr. D. P. Sam Solomon, M.E., Ph.D.</b> <i>Department of Mechanical Engineering</i> Phone: <u>+914222574071</u>   Email: <u>samsolomen@cit.edu.in</u>	<b>Assistant Professor</b> <i>Coimbatore Institute of Technology</i>