

Siva Sundar M

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Aspiring mechanical engineer in the final year of a bachelor's degree, with a diploma background. Passionate about design, manufacturing, and automation, seeking an opportunity to apply technical knowledge, enhance skills, and contribute to innovative engineering solutions.

🎓 Education

Bachelor of Engineering

Stream : Mechanical Engineering
Kongunadu College Of Engineering and Technology
Tholurpatti, Trichy

2023 – present
CGPA - 7.5

Diploma

Stream : Mechanical Engineering
Government Polytechnic College
Keezhapazhur, Ariyalur.

2020 – 2023
86%

Secondary School Of Education

Sarasu Matriculation Higher Secondary School
Chidambaram

2019 – 2020
83%

🧠 Skills

Technical Skills

- AutoCAD
- Business Analyst
- Business Development
- Quality Assurance
- CNC M/C Dispatch
- Welding
- 3-D Printing
- Quality Control
- Safety Management

Soft Skills

- Problem Solving
- Decision Making
- Team Management
- Communication Skills
- Continuous Learning

Computer Skills

- MS Office suite
- Typewriting

Internships

BHEL - Welding Research Center (WRI)

05/2022

Attended One Month of Internship training Program in Basics of Welding Technology(Level 3) under the scheme for "Enhancement of Competitiveness in the Indian Capital goods Sector - Phase II"

HITAJE (INDIA) PUMPS DIVISION

02/2024

Attended one Week of Intership and completed the job assignments during my training period.

Lakshmi Mills and Works

07/2022

Attended Two Months of Internship Program

Professional Development

Workshop and Trainings

- Completed Training on "Augmented Reality, Virtual Reality Development Training" sponsored by Naan Mudhalvan Program held on 5th of May 2023.
- Completed Value added Course on VACME02 - CATIA V5 at Kongunadu College of Engineering and Technology, Trichy held from 14th of Dec 2024 to 21st of Dec 2024.

Certifications

• **AutoCAD**

CADD Center Training Services, Ariyalur

Student ID NO : CO230718Z976371

• **DataOps Methodoly**

Cognitiveclass.ai  at IBM Developer Skills Network.

Certificate Number: 365cf72b30134e838dd7d73434c7587b

NPTEL : Completed the Certification in Product Design and Manufacturing.

AWS : Certified for innovative ideas for Developing a Games.

Projects

Portable Water Pollution Testing Kit, MINI PROJECT - I

Developed an IoT-based system for real-time water quality monitoring using sensors to measure EC, TDS, and turbidity. The system provides instant readings on a digital display and issues alerts for deviations from safe standards, enabling quick corrective actions. Enhances environmental monitoring with an efficient, accurate, and user-friendly solution.

Microstructure Analysis of AL359 Hybrid Composite for Brake Rotor

Application, MINI PROJECT- II

Aluminium metal matrix composites are widely used in various applications because their higher mechanical and physical properties when compared with their base AL alloy. Metal matrix fabricated by matrix material as reinforcement.

Large Scale Iot Based Green House Dryer, MAIN PROJECT

03/2026 – 04/2026

Enhancing the shelf life of agricultural products is a critical requirement, and solar greenhouse dryers play an important role in achieving this through efficient drying methods. The present work focuses on improving the performance of a

greenhouse dryer by integrating latent heat storage using phase change materials (PCM) and forced air circulation. A modified Quonset greenhouse dryer was designed and evaluated using tomato slices as the test crop. Experiments were conducted under solar greenhouse drying conditions with the integration of PCM and a forced air circulation system to enhance the drying performance. The experimental results showed that the modified Quonset greenhouse dryer provided effective drying and improved moisture removal compared with conventional solar drying methods.

References

Dr.N.Sivashankar, *Assistant Professor*, Kongunadu college of engineering and technology, Namakkal
8825779063

Dr.Arun Kumar, *Head of Department*, Government Polytechnic College, Ariyalur
98424303733

Declaration

Hereby I declare all the above data are true according to my knowledge and beliefs.