VISWA M

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📍 Tuticorin, India

📅 30/10/2004

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in VISWA M

Profile

Hello, I'm Viswa, a passionate Mechanical Engineering student at Sri Krishna College of Technology. I specialize in blending mechanical engineering principles with computer science to develop innovative solutions in product design, analysis, and automation. Proficient in CAD software, Python, C++, Java, and MATLAB, I bring expertise in visualization techniques for CFD and FEA, alongside advanced Python automation for mechanical systems. I thrive in collaborative environments, focusing on precision, efficiency, and groundbreaking innovation.

Education

10/2022 – present Coimbatore, India	**UG - B. E MECHANICAL ENGINEERING (7.35 CGPA)** *Sri Krishna College of Technology*
2021 – 2022 Tuticorin, India	**12-th (60.6 %)** *Alagar Public School*
2019 – 2020	**10-th (78%)** *Amrita Vidyalayam*

Skills

Design Software :
- Solidworks
- Autocad
- Creo Parametric

Programming :
- Python
- Java
- C++
- Data Structures

CFD / FEA :
- ANSYS Workbench
- ANSYS APDL

Professional Experience

06/2024 – 07/2024 Chennai, India	**Student Intern** I had the extraordinary opportunity to collaborate with top-tier scientists and engineers, delving into the advanced realms of OceanThermal Energy Conversion (OTEC) and Low-Temperature Thermal Desalination (LTTD) systems.

Projects

01/2025 – 03/2025	**Solar Dryer with concave fins and Phase change material in cylindrical storage** ⧉ Designed a solar dryer utilizing forced convection, concave fins, and phase change material (PCM) for enhanced drying efficiency. The concave fins increase heat transfer, while forced convection accelerates moisture removal. PCM ensures consistent heat retention,maintaining drying performance even during low sunlight periods. This system improves drying rate, reduces energy loss, and enhancesoverall efficiency.

Patents

01/2025 – 03/2025   **Solar Dryer with concave fins and pcm in cylindrical storage**
(*Applied*)

11/2023 – 01/2024   **Multipurpose Knife**
(*Issued*)

Certificates

- Advanced Machining Process - NPTEL ⌁
- 3d Model creation with Autodesk Fusion 360 ⌁
- Complete Course in Creo Parametric ⌁
- MATLAB Onramp ⌁
- Additive Manufacturing - University of Michigan ⌁
- Geometric Dimenionsing and Tolerancing(GD&T)- Udemy ⌁
- Fundamentals of Materials Science-Shanghai Jiao Tong University ⌁

Organisations

ISHRAE (Indian Society of Heating, Refrigerating and Air Conditioning Engineers)
Member
- Organized technical events and workshops on HVAC&R.
- Networked with industry experts and peers.
- Promoted energy-efficient HVAC solutions.

Languages

English
Fluent Proficiency

Tamil
Native / Bilingual Proficiency

Declaration

I hereby declare that the information provided above is true to the best of my knowledge and belief. I take full responsibility for the accuracy of the details mentioned.