

ARUN KUMAR J

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Professional Summary

Passionate and innovative mechanical engineer with expertise in automobiles, machinery, and design. Dedicated to advancing technology through creative problem-solving and efficiency improvements. Seeking a challenging role to apply my skills in impactful projects within dynamic environments.

Projects

- Peltier Cooler-Based Thermal Management System**
Developed a Peltier-based thermal management system with heat sinks, fans, and real-time monitoring. Designed and optimized cooling using CAD, microcontrollers, and thermal analysis for efficiency.
- Cost-Effective Vernier Caliper Design and Fabrication**
Designed a cost-effective vernier caliper using Fusion 360, optimizing accuracy and production costs. Conducted prototype testing, showcasing expertise in mechanical design and precision engineering.

Experience

- Intern at TVS Training and Services, Ambattur I.E (Electric Vehicles)** **August 2024**
Gained hands-on experience with EV systems, focusing on motor and battery technologies. Assisted in designing, testing, and optimizing powertrains for improved performance and efficiency.
- In-plant training at TNSTC, Tirunelveli** **June 2023 – July 2023**
Gained expertise in optimizing logistics and fleet management through transport systems. Collaborated in vehicle assembly, ensuring precision, efficiency, and team coordination.

Education

BE Mechanical Engineering Government College of Engineering, Tirunelveli 2021-Present CGPA-7.2	HSC (State Board) - 86.5% SSLC (State Board) - 85.8 % Rose Mary Matric Higher Secondary School Tirunelveli
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Certifications

- Fusion 360**
BIMIT- Autodesk Authorized Training Center
- Embedded Systems and IoT**
Skill and Personality Development Programme Centre

Strengths

- Innovative problem-solving in engineering challenges.
- Strong leadership and collaboration in research and project teams.
- Excellent communication and presentation skills.
- Creative thinker with a knack for redesigning and optimizing solutions.

Skills <ul style="list-style-type: none">3D ModellingTeam CollaborationPresentation	Tools <ul style="list-style-type: none">Fusion 360Arduino IDECanva	Languages <ul style="list-style-type: none">TamilEnglishHindi (Read & Write)
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