UMMARAVALLI JAYARAM

B.Tech Mechanical Engineering

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CAREER OBJECTIVE

Final-year B.Tech Mechanical Engineering student with a solid Diploma background and hands-on industrial exposure across solar PV manufacturing and precision mechanical engineering sectors. Proficient in AutoCAD 2D, Autodesk Fusion 360, SolidWorks, and CNC machine operation, with practical experience in mechanical design and fabrication. Seeking an entry-level position through campus placements to apply technical expertise and shop-floor skills in automotive, manufacturing, or renewable energy industries.

INTERNSHIP EXPERIENCE

Mechanical Intern — RenewSys India Pvt. Ltd. *Duration: 2 Months*

- Gained practical exposure to solar PV module manufacturing processes, production machinery, and quality control operations.
- Assisted maintenance engineers with preventive inspection routines and operational troubleshooting on assembly equipment.

Mechanical Intern — Sundaram Fasteners Pvt. Ltd. *Duration: 6 Months*

- Acquired extensive hands-on exposure to industrial manufacturing operations, shop-floor workflows, and component fabrication processes.
- Developed a foundational understanding of CNC machine setups, tooling operations, and precision mechanical component manufacturing.
- Maintained strict adherence to industrial safety regulations, standard operating procedures, quality compliance, and 5S workplace management.

ACADEMIC PROJECT

Buggy with Petrol Bike Engine | Diploma Project

- Designed and built a custom utility buggy driven by a modified petrol motorcycle powertrain.
- Executed chassis design, frame fabrication, engine mounting, and mechanical integration of power transmission and braking mechanisms.
- Gained practical experience in automotive fabrication, mechanical assembly, component sourcing, and vehicle performance testing.

EDUCATION

B.Tech in Mechanical Engineering *Expected Graduation: 2027 | CGPA: 6.79*

Sir C.R. Reddy College of Engineering, Andhra Pradesh

Diploma in Mechanical Engineering *2024 | Percentage: 71.34%*

Sir C.R. Reddy Polytechnic, Andhra Pradesh

TECHNICAL & SOFTWARE SKILLS

CAD & Design:	AutoCAD 2D, Autodesk Fusion 360, SolidWorks
Manufacturing:	CNC Machine Operation, Quality Assurance & Control, Industrial Safety, 5S Workplace Practice
Mechanical & Auto:	Engineering Drawing, Basic Manufacturing Processes, Fundamentals of Automobile Engineering

STRENGTHS

- Quick Learner & Highly Adaptable to New Environments
- Strong Analytical Problem Solving & Effective Team Collaboration
- Positive Professional Attitude & Strong Willingness to Learn

LANGUAGES

- Telugu (Native / Fluent), English (Professional Working Proficiency)

DECLARATION: *I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.*