

Macharla Jagadeshwara Reddy

Electrical and Electronics Engineering

9581136136 ◇ jagadeshwarreddym05@gmail.com ◇ S Nagulavaram, Nandyala, Andhra Pradesh, 518593, India ◇

Open to Remote ◇ Open to Hybrid ◇ Open to On-Site ◇ [LinkedIn](#)

SUMMARY

I am a recent Electrical Engineering graduate with a good understanding of basic electrical concepts like circuits, machines, and power systems. I have worked on small academic projects and learned how to use tools like MATLAB and basic programming. I enjoy solving technical problems, learning new things, and working with team. I'm looking for an opportunity where I can improve my skills and start my career in the electrical field.

INTERNSHIP

Solar PV System Designer

Jan '26 — Feb '26

National Small Industries Corporation

ECIL, Hyderabad, India

- I have gained knowledge in Solar PV system design, including load assessment, panel sizing, and inverter selection. I understand how to design efficient and reliable PV systems based on site conditions and energy requirements.

Electrical Engineering Maintenance

May '25 — Jun '25

S.P.Y. Agro Industries pvt Ltd

Nandyala, India

- Maintained and troubleshoot industrial equipment such as transformers, motors, and circuit breakers. Gained practical knowledge of plant-level electrical and production operations.

EDUCATION

Bachelor of Technology in Electrical and Electronics Engineering, Rajeev Gandhi Memorial

Oct '22 — Apr '26

College of Engineering and Technology (GPA: 7.27)

Nandyala, India

Intermediate in MPC, Narayana Junior College (GPA: 79.8%)

Jun '20 — Mar '22

Nannur, Orvakal, Andhra Pradesh, India

CERTIFICATIONS

Rooftop Solar PV (Installations and Maintenance), NSIC

Feb '26

Smart Grid: Basics to Advanced Technologie, NPTEL

May '25

Electrical Industrial Internship, SPY Agro Industries pvt Ltd

Jun '25

Introduction to Internet of Things, NPTEL

May '24

PROJECTS

Performance Assessment of DVR Employing MLI For EV Fast Charging Applications, RGM CET Dec '25 — Apr '26

- Developed a T-type multilevel inverter-based DVR to stabilize grid-fed EV fast charging stations. Implemented an SRF control strategy in MATLAB/Simulink to mitigate voltage sags and ensure consistent battery charging.

Eco-smart Academic Hub: A Model for Sustainable Education, RGM CET

Jul '25 — Oct '25

- Designed an energy-efficient model integrating solar and natural cooling systems. Focused on sustainable architecture principles with production planning.

SKILLS

Basic Electrical Design, Electrical Technician, Electrical Maintenance, Electrical Machines, Solar System Design, Basic python & C programming, MATLAB/ Simulink, Electrical Work, MS office

SOFT SKILLS

Good Communication Skills, Leadership, Problem Solving, Team Collaboration, Adaptability, Time Management.

STRENGTH

Strong discipline and punctuality.
Team player with excellent problem-solving skills.
Quick learner and adaptable.

VOLUNTEERING AND EXTRA CURRICULAR ACTIVITES

Class Representative, NSS Camp, Boxing, Cricket, Kabaddi

LANGUAGES

English, Telugu, Hindi