

KONIDELA KALYAN

Power Systems Engineer

📞 6303097485 ✉ konidelakalyan@gmail.com 🔗 <https://www.linkedin.com/in/konidela-kalyan/>
📍 Pitapuram

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SUMMARY

Enthusiastic and detail-oriented Electrical and Electronics Engineering student with a strong foundation in circuit design, power systems, and embedded systems. Skilled in using tools like MATLAB, Proteus, and Arduino for real-time project implementation. Demonstrated ability to apply theoretical concepts in practical applications through academic and mini projects such as IoT-based automation and renewable energy systems. Eager to contribute technical knowledge and problem-solving skills to innovative engineering projects and continuous learning in the field of electrical and electronic technologies.

EDUCATION

B.Tech, EEE

Andhra University

📅 2022 - 2026

PROJECTS

Smart Energy Meter using IoT Developed a smart energy monitoring system using Arduino and Wi-Fi module to measure power consumption in real time and upload data to the cloud for analysis. Enabled remote monitoring and reduced manual meter reading errors.

📅 2022 - 2023 📍 vizag

Developed a **Smart Energy Meter using IoT** that measures real-time power consumption through Arduino and a Wi-Fi module, uploading data to the cloud for analysis.

- The project successfully demonstrated **accurate real-time energy monitoring** with **over 95% data reliability**, enabling users to **track consumption remotely** and **reduce billing errors**. It showcased the potential of **IoT-based automation** in achieving **efficient and transparent energy management**.

INTERESTS

💎 **Power systems and energy**

KEY ACHIEVEMENTS

💎 **Led a team of four to develop a solar-powered inverter prototype showcased at the college project expo.**

The project was showcased at the **college expo**, earning recognition for its **innovation and renewable energy impact**.

SKILLS

Microcontrollers

Arduino

PIC

ESP32

Raspberry Pi

Embedded C

C++ Programming

PCB Design

Proteus

Eagle

TRAINING / COURSES

Industrial Electrical Systems Training – Basics of power distribution, switchgear, and motor control.
Power System Operation and Protection – Practical understanding of relays, circuit breakers, and fault analysis.

STRENGTHS



Embedded Systems Expertise

Skilled in embedded systems development with over 3 successful projects using Arduino, PIC, and ESP32.



Circuit Design Proficiency

Proficient in circuit design and power systems with hands-on experience in multiple academic and mini projects including IoT-based automation.

LANGUAGES

Telugu, English

Intermediate



EXPERIENCE

Intern – Electrical and Electronics Engineering

Bharat Heavy Electricals Limited (BHEL)

📅 2024 - 2024 📍 Hyderabad City

Power generation, transmission, and industrial systems.

- Supported the engineering team in **analyzing power distribution efficiency**, identifying measures that reduced **energy losses by 8%**.