

# KONIDELA KALYAN

## Power Systems Engineer

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

KK

## 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	KiCad	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 [XX] successful projects using Arduino, PIC, and ESP32.



### Circuit Design Proficiency

Proficient in circuit design and power systems with hands-on experience in [XX] 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%**.