

AKULETI SUPRIYA

Electrical Engineer | Power Systems

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SUMMARY

Passionate Electrical Engineer with expertise in power systems, transmission, and distribution. Skilled in designing and optimizing efficient, reliable power solutions while integrating emerging technologies such as automation and SCADA to enhance system performance. Experienced in substation operations, protective relays, and load management. Strong problem-solving abilities, analytical mindset, and effective communication skills to collaborate across teams and drive innovation and successful project delivery.

EDUCATION

Bachelor of Technology in Electrical and Electronics Engineering	2021 - 2024
Dr. K.V. Subba Reddy Institute of Technology, Kurnool.	GPA: 7.9
Diploma in Electrical and Electronics Engineering	2018 - 2021
Government Polytechnic College, Anantapur.	GPA: 8.3
SSC	2017 - 2018
Rishitha E.M. High School, Anantapur.	GPA: 9.8

SKILLS

- Technical Skills:** Power Distribution & Management, Power Systems, Power Electronics, Renewable Energy Systems, Load Flow Analysis, Electrical Design, Preventive Maintenance, Troubleshooting, Project Management.
- Tools & Software:** AutoCAD, MATLAB, SCADA, PLC Programming.

EXPERIENCE

Electrical Engineering Intern | 33/11kV Substation, Bukkarayatasamudhram, Anantapur

- Performed preventive maintenance on transformers, switchgear, and protective relay systems, reducing downtime by 15%.
- Conducted detailed load flow analysis to optimize power distribution, improving system efficiency by 10%.
- Assisted in electrical design modifications for enhanced safety, reliability, and compliance with industry standards.
- Applied IEC Standards in maintenance procedures, ensuring 100% compliance with safety regulations.
- Diagnosed and resolved electrical faults, reducing troubleshooting time by 20%.
- Collaborated with cross-functional teams in project management tasks, ensuring on-time completion of substation upgrade projects.

PROJECTS

PLC and SCADA Automation

- Developed and tested PLC programs for precise machinery control and automation.
- Configured and integrated SCADA systems for real-time monitoring, control, and data logging.
- Designed and customized HMI screens to improve operator interaction and process efficiency.
- Implemented and troubleshoot Modbus/TCP and Ethernet/IP communication protocols to ensure reliable industrial connectivity.

CERTIFICATIONS

Industrial Training, 33/11kV Substation, APSPDCL Distribution-3, Anantapur (07/2020 - 01/2021)

- Hands-on experience in power distribution, transformer operations, and substation maintenance.
- Knowledge of switchgear, circuit breakers, protective relays, SCADA, load flow management, and fault detection.

AutoCAD Certificate

- Skilled in creating electrical diagrams and technical drawings for power systems and industrial layouts.