


# SHEK KARISHMA

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## CONTACT DETAILS:

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## WORK EXPERIENCE

### Trainee Engineer

#### Bigeta Energy Solutions LLP

Dec 2025 - Present

- Used ETAP to perform arc flash, load flow, and short circuit studies, and designed SLDs to enhance electrical system safety, reliability, and compliance.
  - Assisted in conducting electrical safety audits in industrial facilities to ensure compliance with IEEE, IEC, NEC, and CEA standards. Prepared and documented technical audit reports with clear findings and recommendations for corrective actions.
  - Conducted energy audits in industrial facilities to analyze energy consumption, identify inefficiencies, and recommend optimization measures. Prepared technical reports with actionable solutions aligned with industry standards, improving energy efficiency and reducing operational costs.
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## INTERNSHIP

Dec 2024 - Nov 2025

### TATA Electronics Systems Solutions

- Led failure analysis of defective units across stations and lines, identifying root causes and implementing corrective actions that improved yield and reduced rejection rates.
  - Generated shift-based performance reports and performed real-time process optimization to enhance production efficiency and minimize defects.
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## EDUCATION

### Bachelor of Technology | EEE | CGPA: 8.5

Oct 2022 - Apr 2025

Vasireddy Venkatadri Institute of Technology, Guntur

### Diploma | EEE | 92%

Jun 2019 - Apr 2022

Loyola Polytechnic, Pulivendula

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## CORE SKILLS

Basics of ETAP, Matlab, Autocad, Green Building, International standards, Basics of Power quality & Harmonics, Earthing systems, Transformer Design, SLD, Electrical Machines,

**Programming Skills** : Basic Python, C

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## PROJECT

Coordinated with a team of four members to design and implement smart building solutions integrating IoT sensors, smart meters, and automation systems. Collected and analyzed large volumes of real-time data, including HVAC usage.