DONIKALA DEEPIKA

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CAREER OBJECTIVE

Seeking a challenging and dynamic role where I can leverage my strong foundation in engineering principles, power systems analysis, and critical problem-solving to contribute to operational excellence and the success of the organization.

EDUCATION

Degree	Institution	Aggregate/CGPA	Expected Year
Bachelor of Technology (B.Tech) in Electrical and Electronics Engineering (EEE)	SR University	8.85% (Aggregate)	2025
Diploma in Electrical and Electronics Engineering (EEE)	VMR Polytechnic	9.5% (Aggregate)	2022
SSC	S.S Concept High School	9.5% (Aggregate)	2019

TECHNICAL SKILLS

Category	Skills
Power & Control	PLC (Programmable Logic Controllers), MATLAB Simulink, AutoCAD
Programming	Python (Beginner), SQL (Basic)
Tools	MS Excel, Power Point

CERTIFICATIONS

- Certified Associate Python Programmer (PCAP-25) - Certify Core Inc.
- Python Advanced Level - TECHGIG.
- Introduction To Python Programming For Data Science - Dataquest.io.
- SQL Beginner To Advanced Level - UniAthena.
- WAG-7 and WAG-9 in Electrical Locomotives.
- PCB Prototype Design.

INTERNSHIPS & PROJECTS

- **Power Systems-Smart Grid**

- Role/Focus: Gained hands-on experience in modern grid technologies, focusing on automation, data analysis, and renewable integration.
- Key Activities:
    - Assisted in designing and simulating smart grid and microgrid models using MATLAB/Simulink.
    - Analyzed load profiles using smart meter data to support demand response strategies.
    - Deepened understanding of grid stability, and sustainable power distribution.

- **Intelligent Collision Avoidance System**

- Objective: Developed a system to enable collaborative collision avoidance by facilitating real-time data exchange between vehicles and infrastructure.
- Key Achievement: Demonstrated communication between interconnected systems using Vehicle-to-Vehicle (V2V) and Vehicle-to-Infrastructure (V2I) protocols to anticipate and respond to potential threats.

- **Railways Study - WAG-7 and WAG-9 Electrical Locomotives**

- Conducted a study on WAG-7 and WAG-9 electrical locomotives at South Central Railways, Kazipet.

SOFT SKILLS

- Quick Learner
- Time Management
- Good Communication Skills
- Adaptability