

SHIVAGANESH S

ELECTRICAL ENGINEER

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PERSONAL INFORMATION

Passionate about power systems with a keen interest in exploring innovative solutions for energy distribution, grid stability and efficiency. Proficient in power system analysis, load flow studies and fault analysis by applying engineering principles to real-world challenges. Experienced in developing simulation models to analyze electrical networks, optimize performance and test theoretical concepts. Strong leadership and organizational abilities demonstrated through academic projects, teamwork and industry collaborations.

SKILLS

- MATLAB (Proficiency Level)
- LT spice (Proficiency Level)
- Programming in C

LANGUAGES

- Tamil
- English

AREA OF INTEREST

- Circuit Analysis
- Power System
- Switchgear and Protection

PERSONAL EXPERIENCE

International Conference & Research Paper Publication – IEEE ICPECTS

- I actively participated in the IEEE ICPECTS international conference, where my team and I presented our research on "Aerial Detection of Hazardous Gases in the Atmosphere." The project focused on leveraging Electrochemical - based sensors to detect and analyze toxic gas emissions, contributing to environmental monitoring and public safety.

Internship at Valuthur Gas Turbine Power Station – TANGEDCO

- During my internship, I observed the working of critical systems such as Gas Turbine Generators (GTGs), Heat Recovery Steam Generators (HRSGs), Steam Turbine Generators (STGs) and their associated control and instrumentation panels. The hands-on exposure to SCADA systems, switchgear operations, auxiliary systems like the diesel generator, battery bank and SFC excitation system significantly enhanced my understanding of real-time plant automation and safety protocols.

EDUCATION

Sri Sairam Engineering College, Chennai
BE - Electrical and Electronics Engineering

2022 - 2026
CGPA - 9.04

Vivekananda Vidyalaya Matric Higher Secondary School
Class 12 - Higher Secondary School Leaving Certification

March 2020
Percentage - 88.67

Vivekananda Vidyalaya Matric Higher Secondary School
Class 10 - Secondary School Leaving Certification

March 2018
Percentage - 96.60

ADDITIONAL INFORMATION

- **Certifications:** NPTEL Course in Sustainable Power Generation Systems & Switchgear and Protection.
- **Activities:** Internship Completed at Valuthur Gas Turbine Power Station - TANGEDCO (46 Days).