



P. SATYARAJU

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Objective

I seek challenging opportunities where I can fully use my skills for the success of the organization.

Experience

- **AMARA RAJA INFRA PVT LTD** August-2025 - Currently working
Graduate engineer trainee in the project management 765/400/220kV AIS SUBSTATION
765/400/220kV AIS SUBSTATION VATAMAN- PGCIL
- **LUCAS TVS** June-2025 - August-2025
Graduate engineer trainee

Education

- **JNTUA** 2022-2025
B.TECH (ELECTRICAL AND ELECTRONICS ENGINEERING)
80%
- **SBTET** 2019-2022
Diploma (ELECTRICAL AND ELECTRONICS ENGINEERING)
88%
- **SRI CHAITANYA ENGLISH MEDIUM SCHOOL** 2019
SSC
8.7 GPA

Skills

- MS office
- MS Excel
- Power point
- Technical Drawing Analysis
- Civil-Electrical Coordination
- Project Monitoring & Reporting

Projects

- **Implementation of Fuzzy Logic Controller Based D-STATCOM for Power Quality Enhancement in Distribution Systems**
A Fuzzy Logic Controller (FLC) based D-STATCOM improves power quality by providing dynamic voltage regulation and reactive power compensation. FLC handles non-linearities better than traditional controllers, enhancing system stability. This method ensures better voltage profiles, reduced harmonics, and improved reliability in distribution systems.
- **IoT based gas leakage detector**
The sensor notifies the microcontroller when gas is detected, and the microcontroller analyses the information before sending it to the cloud through the IoT module. The cloud platform offers a user-friendly interface for managing and visualising data on gas leaks, and it also notifies customers through email and SMS.

Achievements & Awards

- NPTEL certification on the internet of things with 75%
- NPTEL certification for power system protection.

TRANSFORMER INSPECTION & QUALITY ASSURANCE

- Performed comprehensive end-to-end inspections for a **160 MVA Power Transformer** at T&R, Ahmedabad. This included detailed technical verification of the **Core, Winding, and Core-Coil Assembly (CCA)**, as well as conducting final inspections and insulation tests to ensure the unit met all design specifications and quality standards before dispatch.

EXTRA-CURRICULAR ACTIVITIES

- Winner, Technical Quiz Competition.

SPORTS ACHIEVEMENTS

- Winner in kabaddi Tournament conducted.
- Winner in cricket Tournament conducted.

PERSONAL TRAITS

- Drive and Initiative.
- Flexibility.
- Adaptable to any environment.

PASS TIME

- Playing cricket
- Browsing net
- Volunteering

LANGUAGES KNOWN

- English
- Hindi
- Telugu

WORKSHOP ATTEND

- Attended a workshop on 'INTERNET OF THINGS APPLICATIONS', Nellore.

COMMUNITY SERVICE PROJECT

- **Plantation**
Nearly 20 plants were planted by me in a primary school in Padugupadu, Nellore. 524137.
- **Awareness about wastages**
I educated people about the advantages of separation and the distinction between dry and wet wastes.
- **Being aware of how to live hygienically**
Conduct an awareness program in a anganavadi and primary school i.e., How to be hygiene

INTERNSHIP/TRAINING

- **APSPDCL**
My training at the 33/11 KV substation was completed for a period of 6 months.

SOFT SKILLS

- Problem solving
- Adaptability
- Communication
- Time management
- Organization