# YAGNALA NIKITHA

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## EDUCATION

**Bachelor of Technology in Electrical and Electronics Engineering Dec 2021 - May 2025**

Vignan's Institute of Information Technology, Duvvada 7.0 CGPA

**Intermediate MPC** **Jun 2019 - May 2021**

Sri Chaitanya Junior college 9o%

**School (Class: I - X)** **Jun 2009 – Mar 2019** Sri Chaitanya school Visakhapatnam 9.3 CGPA

## INTERNSHIP

**MVK Transformers Visakhapatnam** **May 2023 - Jun 2023**

- Detail-oriented electrical engineering intern specializing in transformer testing and analysis, proficient in conducting comprehensive tests on distribution, power, and instrument transformers.
- Skilled in insulation and winding resistance tests, ensuring optimal transformer performance.
- Collaborated closely with senior engineers to analyse results and recommend corrective actions, effectively communicating with technical and non-technical stakeholders. Eager to contribute acquired knowledge to innovative projects in electrical engineering, focusing on transformer design, testing, and optimization.

**Learntricks Edutech** **Feb 2024 – March2024**

- Demonstrated proficiency in front-end and back-end development technologies
- Collaborated effectively with team members to understand project requirements, design system architecture, and integrate features that meet both client needs and technical standards.
- Contributed to the development of interactive and responsive web applications, implementing best practices in user experience design and ensuring seamless functionality across multiple devices.

## PROJECTS

**Measurement of water using flow sensor**

- Developed a real time monitoring system for accurately measuring the flow of water based different constraints. Using the flow sensor which provides accurate data of the flow for detecting the water levels, usage of water per day, etc
- Flow sensors are installed within water pipelines or channels to continuously monitor the flow rate of water. They provide real-time data on the volume of water passing through the system per unit of time.
- Sudden drops or increases in flow rates beyond expected levels can trigger alerts, allowing for timely intervention to prevent water loss and potential damage to infrastructure.

**Enhanced Safety System: Gas Leakage and Fire Prevention with Automatic Power Supply Cutoff**

- The "Enhanced Safety System" project addresses the critical issue of gas leakage and the subsequent risk of fire outbreaks through the development of an innovative safety solution.
- This project place it mainly focuses on integrating advanced gas leak detection technology with automatic power supply cutoff mechanisms to mitigate potential hazards effectively.
- The system targets common causes of gas leaks, including aging infrastructure, human errors, and natural disasters, aiming to enhance safety protocols and prevent catastrophic outcomes.

**Language detector**

- The Language Detector Project mainly focus on to develop a robust and efficient system capable of automatically identifying the language of a given text or speech input.
- The resulting system has the potential to streamline multilingual applications, improve user experience, and facilitate communication across linguistic barriers**.**

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## TECHNICAL SKILLS

- **Languages:** C, Python
- **Frontend Skills:** HTML, CSS
- **Database:** SQL
- **Tools:** VS Code
- **Frameworks:** Flask

**Platforms:** GitHub