Macharla Rajeswari

Sulthanabad, Tenali, Guntur district, Andhra Pradesh
9182376575 | rajeswarim0112@gmail.com
https://www.linkedin.com/in/rajeswarimacharla0112

Objective

Aim to be placed in a challenging organization that gives me scope to enhance my knowledge and skills in accordance with the latest trends and to be a part of team that dynamically works towards growth of organization.

Education

- **Vasireddy Venkatadri Institute of Technology** 2020 - 2024
  Bachelor of Technology
  7.98 CGPA
- **NRI Junior College** 2018 - 2020
  MPC
  8.94 CGPA
- **Viswa Veda School** 2017 - 2018
  SSC
  9.8 CGPA

Professional Development

- After graduation, I am actively learning Full Stack Development to enhance my technical skills in web development, focusing on both front-end and back-end technologies. Built multiple hands-on projects using HTML, CSS, JavaScript, and React.js to strengthen practical understanding.All projects are version-controlled and hosted on GitHub.
  Projects include:
  Personal Portfolio Website – Designed and developed a responsive portfolio to showcase skills and projects.
  User Authentication Pages – Created functional Sign Up and Sign In pages with form validation.
  To-Do List Application – Built a dynamic task manager with features to add, edit, and delete tasks using React.js.

Project

- **Design a robust controller for the load frequency of interconnected power system**
  This project aims to develop a robust controller of (1+PD)-PID cascade controller for the frequency stabilization of multi-area interconnected power system. The operational performance of the proposed controller is studied by laying the step load disturbance of 10% in the area-1 of the considered power system model. For the fine tuning of the proposed controller, Butterfly optimization algorithm is considered. However, the superiority performance of the proposed controller is validated with other controllers available in the literature. Further, to obtain the improvement in the power system performance the high voltage DC line is implemented with the test system model. The simulation results confirmed the improvement in the system performance with the incorporation of the HVDC line. To check the robustness of the proposed controller, the sensitivity test is conducted and validated the robustness.

- **Water Level Indicator**
  The circuit is designed to indicate three levels of water stored in the tank: low but not empty, half and full but not overflowing. When there is no water in the tank, all the LEDs are off as an indication that the tank is completely empty. When water level increases and touches the sensor, the Red LED will glow indicating that there is water within the tank. As the water level continues to rise and reaches half the tank, Yellow LED will glow. When the water in the tank rises to full an alarm is made by the buzzer as an indication that the tank is full.

Languages

- English
- Telugu

Technical Skills

- HTML
- CSS
- JavaScript
- Python
- SQL
- Power BI
- GitHub
- Ms Office

Internship

- Successfully completed 8 weeks period of Salesforce Administrator Virtual Internship April - May 2023 Supported by SmartBridge and offered through AICTE - Eduskills.
- Successfully completed 8 weeks period of Salesforce Developer Virtual Internship April - May 2023 Supported by SmartBridge and offered through AICTE - Eduskills.
- Successfully completed 10 weeks Robotics Process Automation (RPA) Virtual Internship during Dec 2022 - Feb 2023 Supported by Blueprism University and offered through AICTE - Eduskills.
- Successfully completed 10 weeks Cybersecurity Virtual Internship during Mar - May 2020 Supported by Paloalto and offered through AICTE - Eduskills.

Certifications

- Successfully completed Basics of Low Voltage Switch Gear-1 an offline credit course authorized by the Andhra Pradesh State Skill Development Corporation.
- Successfully completed the online, non-credit Specialization in Energy Production Distribution & Safety and offered through Coursera.
- Successfully completed Energy Production Distribution & Safety an online non- credit course authorized by University at Buffalo,The State University of New York and offered through Coursera.
- Successfully completed AI For Everyone an online non- credit course authorised by DeepLearning.AI and offered through Coursera.

Skills

- Problem Solving
- Creativity
- Time Management
- Patience
- Team Work
- Presentation Skills

Strengths

- Motivation and Determination
- Adaptable to any Environment
- Innovative thinking
- I love working with new challenges
- Flexibility and willingness to take on new challenges

Personal Details

- Date of Birth : 01/12/2002
- Nationality : Indian
- Gender : Female
- GitHub : https://github.com/rajim0112

Hobbies

- Visit Historical places
- Listening Music
- Cooking