Srinu Korra

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SUMMARY

A passionate software developer, looking to have a long-term relationship with an organization, build a great product and contribute towards its betterment.

EDUCATION

Vardhaman College of Engineering, Hyderabad Aug 2019 - June 2023
Bachelor of Technology in Information Technology Hyderabad, India
CGPA : 8.6/10.0

WORK EXPERIENCE

Software Development Engineer Aug 2023 - April 2024
Rugged Monitoring Hyderabad, India

- Partial Discharge Live Web Application, this advanced web application is specifically tailored for R501, PD211, and PD201 devices, integrating seamlessly with embedded software to collect data through sensors.
- The application diligently monitors the status of various electrical components, including transformers, cables, motors, and generators, ensuring optimal performance and reliability.
- By leveraging sensor data, the software provides real-time insights into the health and functionality of the monitored equipment, contributing to efficient management and maintenance. This comprehensive solution promotes the longevity of electrical systems and minimizes potential issues, enhancing overall operational efficiency
- Tech Stacks: Javascript, Reactjs, Redux, NoSql, git, github, bitbucket, jira.

Personal Projects

Online Food Delivery (Tomato.) - GitHub **May 2024**

- A Responsive MERN stack Application incorporating CRUD operations and seamlessly integrated with a MongoDB database.
- The application enables users to order various vegetarian food items, including cakes, noodles, and rollers, with features like user authentication, category browsing, cart management, order placement and tracking, and an admin panel for managing food items and orders
- Tech Stacks: Implemented using HTML, CSS,javascript, ReactJS, NodeJS, ExpressJS, MongoDB.

Vehicle-Detection-Classification-and-Counting-Using-Yolov3 - GitHub **March 2022**

- Implemented a robust real-time vehicle detection system using YOLOv3 and DarkNet-53, trained on a large annotated dataset (such as COCO). Utilized convolutional neural networks (CNNs) for supervised learning to accurately detect and classify vehicles in video frames. Achieved real-time performance in identifying vehicle positions and class probabilities, contributing to traffic management and surveillance.
- Conducted comprehensive evaluation of the detection system's accuracy using confusion matrix analysis. Implemented algorithms to track vehicles, measure traffic flow, and analyze vehicle types (motorcycles, small cars, large vehicles) based on gravitational pull and count line metrics.
- Tech Stacks: python, data visualization , YOLOv3, DarkNet-53 and Github.

Achievements

Python for Data Science - NPTEL - LINK

Technical Skills

Programming: C, C#, HTML, CSS, JavaScript, Python, core Java.
Technologies/Frameworks: ReactJS, ExpressJS, NodeJS, MongoDB, Git , Github.
Others: Competitive programming, Problem solving, Data structures & Algorithms, Oops.