

POCHIRAJU PREM SWAROOP

CAREER OBJECTIVE

To leverage my skills and knowledge as a Data Integration Developer in a dynamic and reputable organization, contributing to the growth of the company and enhancing my professional expertise.

SKILLS

- Python
- JavaScript
- Frontend web development

Data Integration:

- Demonstrable experience as a DataStage Developer.
- Proficiency in SQL and other relevant coding languages.
- Hands-on experience with ETL tools, including IBM Information Server and Oracle ETL.

ADDITIONAL SKILLS

- Communication Skills
 - Sketching
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CERTIFICATION

- Microsoft certified: Azure Data Engineer Associate
 - Generative ai level 1 foundation (hexaversity) - Hexaware technologies chennai
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EDUCATION

B.TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING

Lendi Institute of engineering and technology,
Vizianagaram| 2018 - 2022

- Graduated with a CGPA of 7.46/10

INTERMEDIATE

Sri Chaitanya Junior College,
Vizianagaram| 2018 - 2022

- Scored 854/1000 marks

SECONDARY SCHOOL

Gurajada School,
Vizianagaram| 2015 - 2016

- CGPA of 8.5 in SSC

WORK EXPERIENCE

PROFISSIONAL EXPERIENCE

Data Integration Developer

Hexaware Technologies (joined march 2022)

- Develop and implement quality standards to ensure data quality and integrity across various database systems.
 - Provide problem-solving expertise and conduct complex analysis of data to design business intelligence integration solutions.
 - Establish and enforce data integration standards in alignment with the organization's information services policies and industry best practices.
 - Review and assess the development efforts of other integration developers to ensure consistent methodologies, making recommendations as needed.
 - Collaborate with Analysts and Business Users to translate functional specifications into technical designs for effective implementation and deployment.
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TECHNICAL PROJECTS

Intelligent Ambulance Detection System using CNN

Lendi Institute of Engineering and technology, Vizianagaram

Overview

Developed a real-time object detection system using Convolutional Neural Networks (CNN) to address the issue of delayed ambulance response in heavy traffic. The system utilizes custom object detection to identify and track ambulances, enabling the proactive control of traffic signals to facilitate smooth ambulance passage. Aiming to reduce the risk to patients' lives by minimizing delays in ambulance travel.

Key Contributions

- Led development of CNN-based ML model for real-time object detection.
- Implemented SSD technique integrated with OpenCV for efficient processing.
- Achieved 14 fps for rapid and effective detection.
- Utilized Raspberry Pi 4 to execute ML algorithm, controlling traffic signals with GPIO.

- Successfully annotated 200-image dataset, achieving 96% confidence in ambulance detection.
- Converted XML annotations to TFRecords for optimal TensorFlow performance.

Spherical Droid(Robot) personal project

Overview

Designed and built a phone-controlled spherical robot with a gyroscopically balanced sphere body using Arduino Uno, motor shield, HC-05 Bluetooth module, and household materials. The project involved creative engineering to achieve stability and control.

Key Features

- Phone-controlled spherical robot.
- Gyroscopically balanced sphere body.
- Utilized Arduino Uno, motor shield, and HC-05 Bluetooth module.
- Demonstrated skills in robotics, Arduino programming, and creative problem-solving.

ACHIEVEMENTS

- APSSDC Certification in IoT
- B2 in BEC (English Proficient Examination)
- Cybersecurity workshop attendee at IIT Hyderabad
- STEP Hindu English Certificate by The Hindu
- Cisco Certified on Programming Essentials in Python
- Active member of NSS in college

LANGUAGES

- English
- Telugu

CONTACT

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