

Silla Padmaja

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Education

Centurion University of Technology and Management

Bachelor of Science in Computer Science — CGPA-8.88/10

Paralakhemundi

2020 – 2024

Sri Chaitanya Junior College

Intermediate XII — CGPA-9.07/10

Vishakhapatnam

2018 – 2020

Modern English School

Class X — 61%

Jeypore

2018

Technical Skills

Languages: Python, C, C++

Web Technologies: HTML, CSS, JavaScript

Database: MySQL

Libraries: NumPy, Pandas, Matplotlib, Seaborn

Interest Areas: Machine Learning, Data Science

Experience

Exposys Data Labs

May 2023 – July 2023

Data Science Intern

Diabetes Prediction

- Mitigating challenges arising from increasing diabetes cases, particularly in underserved rural areas with limited access to healthcare professionals.
- Developed a diabetes prediction system using Decision Tree, Random Forest, and Naïve Bayes classifiers.
- Conducted a comparative analysis of machine learning algorithms to determine the most effective approach.

Projects

Development of MediHelp Webpage: HTML, CSS, JavaScript, React

- * Scarcity of ICU beds, delayed ambulances and medicine shortages were critical issues during the pandemic.
- * Swift access to healthcare information is vital, especially in health emergencies like COVID-19.
- * This Project is currently in the development stage, focusing on addressing, critical issues such as scarcity of ICU beds, medicine transportation, 24/7 support, online booking and specialist directories.
- * Enhances healthcare accessibility and efficiency, addressing contemporary social needs.

Todos Application: HTML, CSS, Bootstrap, JavaScript

- * Developed a user-centric web application to simplify task tracking and management.
- * Designed with HTML Structure elements and Bootstrap components for seamless and visually appealing interface. Implemented an intuitive user interface, optimizing task creation, editing, deletion and filtering functionalities.
- * Users could easily create, edit and delete tasks as their statuses and organize based on their priorities.

Agricure Device: Python, YOLOv5, Raspberry pi

- * Developed an end-to-end solution for monitoring and detection plant diseases.
- * Integrated hardware components using Raspberry Pi for data acquisition.
- * Trained YOLO V5 model on a real-world maize dataset for efficient disease detection. Achieved real-time disease identification to aid timely invention and management.
- * Demonstrated the potential of technological innovation in agriculture for higher crop yield.

IOT Based Air Purifier: IOT

- * Developed an IOT based air purifier for enhanced air quality. Utilized IoT device for real-time air quality monitoring and automated air purification based on pollution levels.
- * Integrated sensors to detect and measure air pollution, enabling automatic purification for a healthier environment.
- * Contributed to a healthier living environment and promoted sustainable practices with a focus on reducing carbon emissions.

Certification

- Certificate of Achievement in Start-up Odisha Yatra 2.0[2022]
- Certificate of Completion in Programming Foundation with Python in NxtWAVE[2023]
- Certificate of internship programmer on Data Science[2023]
- Certificate of Participation in NLP Webinar[2023]