

# 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.

### Agriculture 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]