

EDUCATION

Vellore Institute of Technology

Vellore,India

B.Tech - Computer Science Engineering (Data Science Specialization)

2022-2026

Sri Chaitanya Techno School

Salem,India

Higher Secondary Education

2018-2022

SKILLS

Programming Languages

Python, Java, C, C++, R

FrontEnd Tools

HTML, CSS, Javascript, ReactJS

Backend Tools

NodeJS, MongoDB

Other Technologies

Machine Learning, Canva, Large Language Models

PROJECTS

Precision Agriculture:Soil Fertility Hardware

Dec 2023 - Present

- Precision agriculture soil predictor employs machine learning models.
- Specialized hardware like IoT sensors or drones gather soil data.
- Optimizes farming practices for enhanced productivity and sustainability.

SightSync:

Feb 2024 - Mar 2024

- SightSync, a "Smart Vision Helmet," aids visually impaired individuals.
- It utilizes a Raspberry Pi 4 for processing power.
- The device offers real-time perception of surroundings and text-to-speech responses, enhancing user independence and navigation.

U.S Electricity Rate Predictor Using Regression Models

Jan 2024 - Feb 2024

- Selecting the optimal regression model requires assessing algorithms like linear regression, decision trees, and support vector machines.
- Evaluation criteria include considerations such as data distribution, size, and complexity to determine the best-fit model.

PUBLICATIONS

Precision Agriculture Using Machine Learning Algorithms

Dec 2023 - Present

In this paper,Precision agriculture employs machine learning to optimize crop yields by analyzing data on weather, soil conditions, and plant health for targeted interventions, reducing waste and enhancing productivity.

Optimizing Machine Learning Models:

Aug 2023 - Mar 2024

A Comprehensive Evaluation for Superior Predictive Performance

- Researched and accepted paper in March 2024 by the International Journal of Computer Research and Technology.

CERTIFICATIONS

Python for Data Science

Cognitive.Io Powered by IBM

Full Stack Development

Board Infinity

STUDENT ORGANISATIONS

Apple Developers Group

Core Committee Member

Sponsorship Management

Technology and Gaming Club

Core Committee Member