

# SOMA UDAY KIRAN

Karimnagar, Telangana

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## EDUCATION

Vellore Institute of Technology

BTech in Computer Science and Engineering - 8.88/10.0

Sep 2021 – June 2025

Vellore, TamilNadu

## EXPERIENCE

Ethnus Consultancy Services Private Ltd

Aug 2023 – Nov 2023

Externship

Remote

- Learned **core web development concepts** including HTML, CSS, JavaScript, and responsive design.
- Developed front-end using frameworks like React.js, and back-end with Node.js, Express.js, and MongoDB.
- Employed Git for version control, **collaborated in an Agile environment** and utilized debugging and testing tools to ensure code quality.

## TECHNICAL SKILLS

**Languages:** C /C++, Python and basic proficiency in Java .

**Technologies/Tools:** HTML, Tailwind CSS, JavaScript, React.js, Express.js, Node.js, MongoDB, Power BI, Tableau, GitHub, Scikit-Learn, SQL, Jupyter Notebook, Google Colab, Visual Studio Code, Pycharm, Windows, Linux, LaTeX.

## PROJECTS

Potato Disease Classification | Python, Machine Learning, Deep Learning

May 2023

- Developed a hybridized deep learning framework utilizing pre-trained models **MobileNet**, **InceptionV3**, **ResNet50** for feature extraction, with optimized feature selection using a variance-based filter.
- Evaluated machine learning classifiers such as **K-Nearest Neighbors (KNN)**, **Random Forest (RF)**, and **Support Vector Machine (SVM)**, achieving high classification accuracy .
- Designed early and **accurate** disease classification to support **precision** agriculture efforts.

StudyNotion | React.js Node.js Express.js MongoDB

Nov 2023

- Build a responsive and fully functional **Ed-tech platform** that enables **users** to seamlessly create, consume and rate educational content with proper **authentication** and **authorization**.
- Integrated **Razorpay** payment method,Implemented robust **RESTful API-based** communication system between the **front-end** and **back-end** components

BIGINT | C++ OOPS Individual Project

Jan 2023

- Developed a **C++ library** for handling arbitrarily **large integers**, providing a robust alternative to the standard integer types.
- Implemented **5 core arithmetic operations**, including addition, subtraction, multiplication, division, and modular arithmetic, ensuring high performance and precision.

## ACHIEVEMENTS

- Shortlisted in the **VIT Top Coder Test**, chosen among **500** members from a pool of over **14000** students across **four campuses** from the 2021 batch.
- Accomplished a **maximum rating of 1600** on Leetcode, placing in the **top 20% of users**, and secured a global rank of **879 out of 21,000+** participants in a weekly contest. |
- Ranked **287th out of over 21,000+** on the Geeks for Geeks Practice Portal. |
- Core member of the **Mozilla Firefox Club**; conducted live classes and seminars on various data structures for an **audience of 200+**.

## RESPONSIBILITIES

SAHITHI-TLA VIT VELLORE

July 2023 – Present

Club-Coordinator

- Actively served as a member of the Board for Sahithi-TLA, contributing to strategic decision-making and overall club management.

## COURSEWORK

Data Structures and Algorithms | Design and Analysis of Algorithms | Object-Oriented Programming | Database Management Systems | Computer Networks | Operating Systems | Machine Learning | Cloud Computing