

Sai Charan Chilla

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 Ch Sai Charan  Github Profile  Portfolio

Summary

Enthusiastic Information Technology graduate (VR Siddhartha Engineering College, 2026) with hands-on experience in MERN stack development, Salesforce, and cloud platforms like AWS and Google Cloud. Skilled in DevOps tools and React Native, with a keen interest in blockchain and emerging technologies. Passionate about building scalable, efficient solutions and eager to contribute to innovative, fast-paced tech environments as a quick learner and collaborative team player.





Education

- **VR Siddhartha Engineering College** 2022 – 2026 (Expected)
BTech in Information Technology, Grade: 80% Vijayawada (AP), India
- **Narayana Junior College** 2022
Intermediate (MPC), Grade: 89.1% Vijayawada (AP), India
- **Subhodaya High School** 2020
AP SSC, Grade: 90% Vijayawada (AP), India

Work Experience

- **CodeTech Solutions** Apr 2025 – June 2025
Web Development Intern Hyderabad, India
 - Built web applications, including a **Password manager** and **Food Ordering app**, using **Node.js**, **Express.js**, and REST APIs.
 - Gained hands-on experience in **backend development**, **API design**, and implementing efficient **database schemas**.
 - Applied these skills to contribute towards developing the **Quickcart E-Commerce** project with scalable performance.

Projects

- **Quickcart E-Comm Website** May 2025
Next.js, Clerk Auth, MongoDB, Inngest, Cloudinary, Tailwind CSS Live Demo  Code 
 - Developed a MERN-stack e-commerce site with secure **Clerk** authentication, dynamic cart, "Buy Now" functionality, responsive UI and **Next.js** framework.
 - Integrated **Inngest** for background task handling and **Cloudinary** for fast, optimised image uploads.
- **WeatherTip** March 2025
React Native, WeatherAPI, AsyncStorage, Expo Code 
 - Built a weather app using **React Native** and **Expo**, integrating **WeatherAPI** to display real-time and location-based forecasts.
 - Designed a clean UI with **custom components**, containerised the app, and pushed the image to **Docker Hub**.
- **VoteChain - Decentralized Voting System using Blockchain** June 2025
Solidity, Hardhat, React.js, Ethers.js, Metamask Code 
 - Built **VoteChain**, a decentralised voting DApp using **Solidity** and **Hardhat**, with role-based access for **admin** and **voters**.
 - Implemented secure **admin controls** to add candidates, start/end sessions, and restart elections using contract functions.
 - Developed a responsive **React.js** frontend integrated with **MetaMask** for smooth and secure Web3 interactions.

• **Change Detection using Multispectral Remote Sensing for Urban Monitoring**

Python, Google Earth Engine, Landsat-8

Code[

- Utilised **NDVI**, **NDWI**, and **NDBI** to classify land cover into vegetation, water, and built-up areas using multispectral Landsat-8 imagery.
- Detected changes (2016–2023) by generating binary maps and computing pixel-wise differences, achieving **90% accuracy** with a comprehensive change matrix.
- Published a research paper titled “*Change Detection using Multispectral Remote Sensing for Urban Monitoring*” in the **Springer Conference Proceedings of SPIN 2025**, Amity University, Uttar Pradesh.

Technical Skills

- **Programming Languages:** Python, Java (Basics)
- **Frontend:** HTML, CSS, JavaScript (ES6+), React.js, Next.js , Tailwind CSS, React Native (Basics)
- **Backend & APIs & MERN Technologies:** Node.js, Express.js, REST APIs, MongoDB, Postman, Git, Github
- **Cloud / DevOps:** AWS , Google Cloud (ACE Certified), Docker, Kubernetes , Redis
- **Web3 / Blockchain:** Solidity(Basics), Hardhat, MetaMask, Smart Contracts
- **Salesforce:** Salesforce Admin, Trailhead Badges
- **CS Concepts:** Fundamentals of OS, CN, DBMS

Languages

- **English:** Fluent
- **Hindi:** Conversational
- **Telugu:** Native

Soft Skills

- Problem Solving
- Adaptability
- Self-Motivated
- Communication

Certifications and Achievements

- **Udemy:** Salesforce Administrator - Apr 2025
- **AWS:** Certified Cloud Practitioner - Oct 2025
- **Google:** Associate Cloud Engineer (ACE Certified) - June 2025
- **Academor:** Cybersecurity and Ethical Hacking Certification - Dec 2023
- **NPTEL:** Understanding Incubation and Entrepreneurship - Oct 2024
- **NPTEL:** Joy of Computing Using Python - Apr 2025
- **CISCO:** Programming Essentials in Python - Jul 2023
- **GFG:** Completed 160 days of DSA - May 2025
- **Hackerrank:** Gold Badges in Java, Python, SQL