

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 [C]

- 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