Sai Charan Chilla

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in Ch Sai Charan   ⚙ Github Profile   🌐 Portfolio

Professional Summary

Passionate Information Technology graduate from VR Siddhartha Engineering College (2026) with practical experience in Mern-stack development and Salesforce. Skilled in cloud platforms like AWS and Google Cloud, DevOps tools, and familiar with React Native and Blockchain basics. I enjoy solving real-world problems by building efficient and scalable tech solutions. A quick learner and team player eager to contribute and grow in a dynamic work environment.

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

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, optimized 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**, containerized 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 decentralized 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.

- **Land Cover Change Detection using Spectral Indices** — –
  Python, Google Earth Engine, Landsat-8 — Code[⚙]
  - Utilized **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.
  - **Publication:** Presented and published at **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

- **Salesforce** Administrator (Udemy Certified) - Apr 2025
- Google Associate Cloud Engineer (**ACE** Certified) - June 2025
- Hackerrank **Gold** Badges in Java, Python, SQL, Problem Solving , Completed **GFG** 160 days of DSA