

SANDEEP CHAUHAN

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SUMMARY

Blockchain Developer and Computer Science graduate from Chhatrapati Shahu Ji Maharaj University (CSJMU), Kanpur, specializing in backend and smart contract development across Starknet, Stellar, and EVM ecosystems using Cairo, Rust, and Solidity. Proven track record with 20+ months of open-source contributions, a 30% gas cost reduction in production smart contracts, and an award-winning hackathon build. Experienced in building DeFi protocols, NFT platforms, RWA, Tokenization, RWA Lending, CCTP, Upgradable contracts, cross-chain systems, and production-grade backend systems.

SKILLS

Programming Languages: JavaScript, TypeScript, Solidity, Rust, Cairo, C++

Frameworks & Libraries: Node.js, Axum, Web3.js, Ethers.js, Express, Starknet.js, Stellar SDK

Databases: PostgreSQL, SQL, Redis, IPFS, Supabase

Tools & Platforms: Foundry, Sn-forge, Hardhat, Truffle, Docker, Git, Linux, VS Code

Blockchain Ecosystems: Ethereum, Starknet (Layer 2), Stellar, Polygon, BNB Chain, Base

Token Standard: ERC-20, ERC-721, ERC-1155, ERC-4626, SEP-41, SEP-50

EXPERIENCE

Open Source Blockchain Contributor

Remote | [Aug 2024] – [Present]

- Developing and testing smart contracts for Starknet and Stellar ecosystem projects using Cairo and Rust.
- Built backend integrations for open-source protocol tooling using TypeScript, Axum, Node, Nest.

Starknet Fellowship — OnlyDust

Remote | [Aug 2025] – [Sept 2025] (2 months)

- Implemented and tested ERC-20 and ERC-721 smart contracts on Starknet using Cairo, Starknet.js, and Snforge.
- Optimized contract gas usage through efficient storage design and execution-pattern refinement, as part of Starknet ecosystem projects sponsored by OnlyDust.

Blockchain Developer Intern — Altibbe Health Private Limited

Hyderabad, India | [May 2025] – [June 2025] (1 month)

- Reduced gas costs on production Solidity smart contracts by 30% through storage optimization and contract refactor.
- Integrated smart contracts with backend systems and built supporting APIs for contract interaction.

PROJECTS

Trustless-OSS — github.com/Trustless-OSS/Trustless-OSS

www.trustless-oss.xyz

- Built a GitHub-integrated bounty platform that auto-releases USDC rewards via Trustless Work escrow on pull-request merge.
- Implemented GitHub webhook handling, issue-label parsing, and a bot command system for bounty management using Soroban, Rust, Next.js, Axum, Postgres, Redis, BullMq, and TypeScript.

Alien Protocol (In Development) — github.com/Alien-Protocol

www.alien-protocol.xyz

- Building an RWA-backed lending protocol on Stellar using Soroban smart contracts, with collateralized borrowing and oracle-based asset pricing via Chainlink.

NFXP NFT Marketplace — github.com/ryzen-xp/NFXP

- Built a React web application enabling users to mint ERC-721 tokens, list them for sale, and buy or sell NFTs.
- Implemented IPFS storage for NFT images and metadata using Solidity, OpenZeppelin, Web3.js, and Foundry.

Charity Chain — github.com/ryzen-xp/NGO-Crowd-Funding

- Built a blockchain-based transparent crowdfunding platform for NGOs using Solidity and Hardhat.
- Implemented smart contracts to manage donations, fund approvals, and withdrawals.

HACKATHONS & AWARDS

Boundless x Trustless Work Hackathon — Most Innovative Idea Award

[boundless-trustless-work-hackathon](#)

May 2026

- Won Most Innovative Idea Award for Trustless OSS, an automated USDC bounty-release platform for open-source contributors, built with Stellar, Rust, TypeScript, and Trustless Work escrow APIs.

EDUCATION

Chhatrapati Shahu Ji Maharaj University (CSJMU) — Kanpur, Uttar Pradesh

2021 – 2025

Bachelor of Technology, Computer Science and Engineering