

Rajnish Tripathi

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Education

Lovely Professional University

Bachelor of Computer Science and Engineering Honors (B.Tech CSE Hons.)

CGPA: 7.57

Jalandhar, India

August 2020 - November 2024

SKILLS SUMMARY

- Languages:** JavaScript, TypeScript, Python, SQL
- Web2:** React.js, React Native, Expo, Tailwind CSS, Node.js, Express.js, REST APIs
- Web3:** Internet Computer (ICP), Canisters, SNS DAO, Tokenomics
- Databases:** PostgreSQL, MongoDB, Firebase
- Tools & Platforms:** Git, Docker, Postman, Figma, VS Code, Firebase Console
- Soft Skills:** Team Leadership, Agile Methodology, Cross-Functional Collaboration

Work Experience

Software Developer (SDE-2) – QuadB Technologies

April 2024 – June 2024

- Built and maintained multiple Web3 apps using React Native, React.js, Node.js, Rust, and Motoko on the Internet Computer.
- Key contributor to a decentralized Airbnb-style booking app and a dating platform, handling UI/UX, backend flows, and smart contract integration.
- Led a DAO project with weekly activity tracking, token distribution, and SNS DAO governance features.
- Developed a crypto vault and campaign system, enabling secure tracking and financial logic in Rust-based smart contracts.
- Managed feature development, architecture, and junior dev collaboration across multiple Web3 initiatives.

PROJECTS

Campaign Vault System

Jan 2025 – Mar 2025

- React.js, Rust (ICP)
- Designed and developed smart contracts to manage campaign-based fund storage. Implemented secure wallet-linked tracking for user balances, enabling transparent and tamper-proof financial operations.

DAO with Weekly Activities

Oct 2024 – Feb 2025

- React.js, Rust (ICP SNS DAO)
- Led frontend and backend development for a decentralized autonomous organization (DAO) with activity-based engagement. Built tokenomics logic to reward users weekly and integrated it with ICP’s SNS DAO system for governance automation.

ObfusGuard — Encoding and Hashing Algorithm ([Personal Project](#))

Jul 2024 – Aug 2024

- Designed and implemented a lightweight, non-cryptographic algorithm for simple obfuscation and hashing of text messages.
- Consists of 3-layered encoding and a custom hashing function to produce non-reversible output.
- Built in Python, suitable for educational purposes or lightweight data obfuscation (but not recommended for strong cryptographic security).

Decentralized Space Booking App

Apr 2024 – Sep 2024

- React Native, Node.js, Motoko (ICP)
- Built a decentralized Airbnb-like mobile app on the Internet Computer (ICP). Developed core features like space listing, booking flow, and integrated smart contracts for ownership and rental logic using Motoko.