Rajnish Tripathi

Lucknow, Uttar Pradesh, India, 226005

LinkedIn: https://www.linkedin.com/in/rajnishxcode
GitHub: https://github.com/rajnishxCode

Mobile: +91-9559848176
Email: rajnishtripathi2001@gmail.com

EDUCATION

Lovely Professional University Jalandhar, India
Bachelor of Computer Science and Engineering Honors (B.Tech CSE Hons.) **August 2020 - November 2024**
CGPA: 7.57

SKILL 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 **October 2024 – June 2025**

- 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.

Full Stack Developer Intern – QuadB Technologies **April 2024 – October 2024**

- Joined as an intern and started contributing to production-level projects from day one using React Native, Node.js, and Rust.
- Took complete ownership as a solo developer for the first 3 months of a cross-platform application.
- Led a team of interns during the second project, handled client meetings, sprint planning, and technical guidance.
- Built features for decentralized platforms on the Internet Computer using Motoko and Rust smart contracts.
- Recognized for outstanding performance and promoted directly to SDE-2, skipping the SDE-1 designation.

PROJECTS

Kilt Chain Clans **Apr 2025 – Jun 2025**

- React.js, React Native, Node.js, TypeScript, PostgreSQL, Polkadot, Kilt Protocol
- Built a full-stack Web3 platform with Twitter-authenticated onboarding, enabling clan selection, automated referral tweets, and early user registration.
- Developed a mobile app enabling DID creation via Kilt Protocol, campaign participation, and reward distribution based on tweet performance tracked through the app.

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.

CERTIFICATES

Data Structures and Algorithms - Self Paced (GeeksforGeeks) | CERTIFICATE **July 2022**

- Developed strong foundational knowledge in key data structures such as arrays, linked lists, stacks, queues, trees, and graphs.
- Applied algorithmic techniques like sorting, searching, recursion, and dynamic programming to optimize problem-solving approaches.

Introduction to the IOT and Embedded Systems (University of California, Irvine) | CERTIFICATE **Mar 2022**

- Explored the fundamentals of the Internet of Things, embedded hardware components, sensors, and communication protocols.
- Learned the design principles of embedded systems and how microcontrollers interact with physical environments for IoT applications.

PUBLISHED WORK

ObfusGuard Encoding and Hashing Algorithm **Jul 2024 - Aug 2024**

ObfusGuard is a non-cryptographic, multi-layered Encoding and Hashing algorithm designed to provide simple obfuscation and hashing for text input. It consists of three levels of encoding and a hashing function that transforms the input message into a non-reversible hash. The algorithm is implemented in Python and can be used to encode and hash text messages for basic security purposes. This algorithm is suitable for educational purposes or lightweight obfuscation but should not be used for applications requiring strong cryptographic security.

GitHub Repository: https://github.com/RajnishXCode/ObfusGuard
Publish Package Link: https://pypi.org/project/obfusguard