Karan Upadhyay

Delhi, India

📞 +91-8826865534 ✉ karanupd12@gmail.com in LinkedIn ⌂ Github ⌂ LeetCode Ⓜ Medium

EDUCATION

University School of Information, Communication & Technology, GGSIPU **2022 - 2026**
*B.Tech in Information Technology — **CGPA: 8.16*** *Delhi, India*

RSV Roop Nagar No. 4 **2019 - 2021**
*Higher Secondary School — **Percentage: 90%*** *Delhi, India*

EXPERIENCE

Intern at CSRBOX ↗ **July 2024 - August 2024**
Role - Web Developer *Remote*

- Led a Front-end team to develop **We Care**, an **SDG**-driven resource donation platform, achieving a **30%** increase in mobile user engagement with a mobile-first, responsive design.
- Introduced EmailJS for automated communication. Increased user interaction by reducing manual response time by **40%**.

Intern at Edunet Foundation ↗ **May 2024 - June 2024**
Role - AI research *Remote*

- Analyzed **NFT verification** techniques using **generative AI** and **computer vision**, achieved **95% accuracy** in detecting fraudulent digital assets.
- Collaborated with cross-functional teams to optimize **ERC-721** smart contracts.Enhanced security and compliance for large-scale digital asset transactions.

PROJECTS

HoistHub ↗ | Nextjs, TailwindCSS, Solidity, Metamask, Hardhat, Figma **Nov 2024**

- Developed a blockchain-based crowdfunding platform utilizing immutable smart contracts, ensuring **cryptographic integrity** and verifiable transactions with zero-trust dependency, reducing transaction disputes by **40%**.
- Implemented decentralized identity verification through **on-chain** protocols, optimizing data storage and retrieval mechanisms to enhance transaction throughput by **30%** and streamline campaign lifecycle management.

Amber Token ↗ | JavaScript, Solidity, Remix, Chai **Sep 2024**

- An **ERC-20** token with a capped supply of **100 million**, burnable functionality for deflationary control, and a block reward mechanism of **50 token** to incentivize miners and secure the network.
- Integrated with **ERC20Burnable**, the token allows holders to destroy tokens, optimizing token supply and Ether management.

BlockTalk ↗ | Nextjs, Etherjs, Solidity, Metamask, Hardhat, Chai, Remix **June 2024**

- Built a Web3 chat platform, enabling end-to-end encrypted messaging, secured decentralized authentication through MetaMask, improved user onboarding speed by **25%** and ensuring seamless wallet connectivity.
- Established a transaction-driven messaging system leveraging blockchain-based storage; serviced automated network switching resulting in a **20% reduction in latency** for message delivery across the platform.

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, Solidity, C++, Dart, SQL, Go
Development Tools: VS Code, IntelliJ IDEA, Eclipse IDE, Android Studio, Remix IDE, Figma, Git, GitHub
Technologies & Frameworks: ReactJS, NextJS, Tailwind CSS, Spring Boot, Hibernate, Maven, Hardhat, Metamask, Flutter, MongoDB, PostgreSQL

CERTIFICATIONS AND ACHIEVEMENTS

- Ethereum and DApp Development - **Infosys**
- NLP Solutions Development - **Microsoft Azure**
- **Winner** of Dev Challenge 2024
- **Finalist** in Fetch's AI Agent Hackathon by **IIT Patna**
- Contest Rating: **1743** on Leetcode
- Java, SpringBoot 3 and Microservices - Udemy