VIVEK KUMAR

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EDUCATION

National Institute of Technology, Raipur　　　　　　　　　　　　　　　　**2019 - 2023**
Bachelor of Technology in Information Technology　　　　　　　　　　　　*CGPA: 7.99*

SKILLS

Programming Languages:	C, C++, Java, JavaScript, TypeScript, Solidity
Full Stack:	Node.Js, React.Js, Next.Js, Golang, Express.Js, GraphQL,Tailwind CSS
Databases:	MySQL, MongoDB, PostgreSQL
Web Tools:	Docker, AWS EC2 , AWS ECS, Github
CS Fundamentals:	Data Structures and Algorithms, Object Oriented Programming (OOPs), Operating Systems (OS), Database Management System (DBMS)

WORK EXPERIENCE

Software Developer at Tezos India　　　　　　　　　　　　　　　　　　Jun 2023 - Dec 2024

- **Pawki** - Developed Pawki, a Telegram-based viral clicker game that combines engaging gameplay with blockchain rewards. Players earn points by interacting with the game and can amplify their scores through "Pawki's Plinko," a high-stakes multiplier game. Inspired by the success of games like Hamster Kombat, Pawki rewards players with meme tokens from the Tezos Ecosystem, promoting user engagement and ecosystem growth. The project highlights expertise in game design, gamification mechanics, and blockchain integration. Telegram mini app.

- **PegData** - Led a complete overhaul of the PegData dashboard, enabling real-time analysis of pegged BTC assets across **4+ blockchains**. Integrated Coinbase API, optimizing data retrieval efficiency by **50%**, and implemented WebSockets for real-time updates, ensuring seamless handling of **1M+ transactions/month**. Within the **first week**, gained **100+ users**, demonstrating strong adoption.

- **Tezos NFT Airdrop Platform** - Built a **highly scalable** Tezos-based NFT airdrop platform using Next.js and TypeScript, facilitating the **distribution of 5,000+ NFTs** within the first month. Designed and deployed a **SmartPy-based contract** enforcing eligibility rules, reducing fraudulent claims by **80%**.

PROJECTS

Inventory Management System

- Developed an inventory management system with an admin login, role-based authentication, and real-time stock tracking.

- Utilized **Next.js (App Router), MongoDB, and Node.js** to ensure efficient data handling and a seamless user experience.

API Guardian (Rate Limiting & Monitoring)

- Built a high-performance API rate limiter using **Redis** and **Node.js** to prevent abuse and enforce API quotas efficiently.

- Implemented **JWT authentication** and **role-based access control (RBAC)** to manage API usage for different tiers.

- Developed a real-time monitoring dashboard using **Grafana & Prometheus** to track API request patterns and security threats.Utilized **Docker** for containerized deployment, ensuring seamless integration with existing infrastructures.

ACHIEVEMENTS & CERTIFICATIONS

- Solved **300+** problems of DSA.

- Secured place among **top 2%** in JEE Mains 2019.

- Ethereum and Solidity: The Complete Developer's Guide　　　　　　　　　　　Certificate

- The Complete Full-Stack Web Development Bootcamp　　　　　　　　　　　　Certificate