Ritesh Kumar Singh

+91 9002132340 | fnaticritesh2004@gmail.com | linkedin.com/in/ritesh-singh1 | https://github.com/Ritesh-04coder

EDUCATION

C.V Raman Global University   Odisha , India
Bachelor of Technology - Computer Science and Engineering & (Data Science) : CGPA : 7.91   *Aug 2023 -June 2027*

Guru Teg Bahadur Public School   WestBengal **,** India
CBSE Higher Secondary Board , Stream -Science (PCM) , Percentage -62%   *July 2020 - June 2022*

S.T Xaviers Public School   WestBengal **,** India
CBSE Secondary Board Class 10th Percentage -74%   *July 2014 - June 2020*

PROJECTS

Real-Time Fraud Detection System | *React.js, Node.js, Express.js, MySQL, Tailwind CSS, JWT*   *Feb 2025 - April 2025*

- Built a **Full-Stack Web App** to detect and manage fraudulent transactions in real time, with a dynamic dashboard for risk scoring and transaction history.
- Implemented secure user authentication **(JWT)** and role-based access control; supported configurable detection rules and thresholds.
- **Used to optimize MySQL** queries and a modular architecture to ensure fast performance, responsive UI (Tailwind CSS), and scalability.
- Learned to design and implement real-time data handling and **risk evaluation pipelines in a scalable web application**.

Student Expense Tracker | *React.js, Spring Boot, , Java ,Tailwind CSS, MySQL, JDBC*   *Feb 2025 - April 2025*

- Developed a **Full-Stack Web App** for students to log, categorize, and manage daily expenses, featuring real-time filtering and secure authentication.
- Built an interactive dashboard using **React.js and Tailwind CSS to visualize spending patterns with responsive**, mobile-friendly design.
- Integrated Spring Boot backend with JDBC and MySQL, using modular architecture and clean APIs for seamless data flow and scalability.
- Learned end-to-end integration between frontend and backend, **with a focus on RESTful design** and database-driven analytics.

Token Exchange Contract | *Clarity, Clarinet, Stacks Blockchain, Web3, Smart Contracts.*   *April 2025 - June 2025*

- Learned blockchain smart contract development, testing, and deployment using **Clarity and Web3** principles with a focus on security and compliance.
- Developed and deployed a secure, **SIP-010-compliant fungible token smart contract on the Stacks blockchain using Clarity**, supporting minting, burning, STX transfers, and strict access control—designed as a minimal, reusable foundation for **DeFi/Web3 apps**.

CERTIFICATES / ACHIEVEMENTS

- **Rise-In Bootcamp** : Completed the Bootcamp , Submitted the Project **Token Exchange Contract**
- **AWS Designing Blockchain Solutions Using Managed Blockchain Certificate**
- **CalCom Open Source Contribution**: Added missing "bookingDateTime" translation in German as "Datum und Uhrzeit" and updated test to validate it on the /event-types page , **2+ Pull Requests.**
- 100+ DSA Questions Solved : Completed challenges on platforms like : **Leetcode , Codechef and GFG**.

TECHNICAL SKILLS.

- **Programming Languages** : C , Java , Javascript TypeScript.
- **Databases** : Mysql ,PostgreSQL ,MongoDb , Prisma ORM.
- **Frameworks** : React Js , Next Js , React Hooks , Framer Motion , Tailwind CSS , BootStrap , HTML , CSS , React Native , Clerk Auth,
- **Backend** : Node Js ,Express Js , Nuxt Js , Middlewares , Websockets Postman API .
- **Blockchain & Web3:** Clarity, Clarinet, Stacks Blockchain, Smart Contracts, Web3.js
- **Tools / Technologies**: AWS , GCP , Git ,Github , CI/CD , RESTful API's.
- **Core Concepts** : Data Structure and Algorithms , Object-oriented Programming (OOPS) , Computer Organization and Architecture (COA) ,Computer Networking , Database Management System (DBMS).