Raunak Kumar Singh

4th year
Computer Science Engineering

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EDUCATION

Year	Degree/Certificate	Institute	CPI/%
2020 - Present	B.Tech in CSE	IIIT Kottayam	7/10
2019	Class XII (CBSE)	Modern School, Noida	75%
2017	Class X (CBSE)	Spring Dales Public School, Muzaffarnagar	10/10

SKILLS SUMMARY

- **Languages**:   C++, JavaScript, Basic JAVA, Solidity
- **Frameworks**:   ReactJS, NodeJS, ExpressJS, Web3, BootsTrap, Material UI, Chakra UI
- **Tools**:   Docker, GIT & GITHUB, MySQL, MongoDB, Hardhat, Alchemy
- **Soft Skill**:   Learning ability, Problem-solving, Teamwork

WORK EXPERIENCE

NodeJS developer | Bitwork Lab   *may'22 - June22*
- Design & developed NodeJs Script to create REST API for all CURD operations
- Developed and implemented a REST API for Excel file validation and JSON Web Tokens-based auth

KEY PROJECTS

DSA-SHEET 🔗 | MERN Stack | link 🔗   *June-22*
- DSA SHEET is a website that helps individuals to **learn DSA** in a constructive and effective manner.
- Implemented secure Login, SignUp and Forget password with **JWT authentication**
- Sheet Data is also **Cached** to ensuring a seamless and fast access experience, even in unstable connection.
- **100+ real-time users** on the DSA sheet solve questions from this website
- Tech: **ReactJS, NodeJS, ExpressJS, MongoDB, POSTMAN, Bootstrap, Material UI**.

MT-MX Converter 🔗| Microservices | Video ▶   *August-22*
- Develop **microservices** to validate, and convert old **MT103** payment receipts into **Pacs008** formats.
- Establish secure communication of REST API endpoints for receiving MT103, delivering Pacs008 format.
- Implented microservices in docker container and hosted container on AWS
- Tech: **NodeJS, Regex, Docker, Nginx, AWS**.

CypherWallet 🔗 | NPM | NodeJS   *January-23*
- Develop a Node.js script to creates and imports **BIP39 mnemonic** wallets, lists wallets, and retrieves Bitcoin balance and transactions and connect with blockchain test network using BlockCypher API.
- Implement functionalities to generate BTC addresses for wallets and store them locally using Sqlite3.
- Tech: **NodeJS, ExpressJS, BIP39, Better-Sqlite3**.

ACHIEVEMENT

- Runner up in Nest Digital **Microservices Hackathon** held at Kakanad Kochi
- Secured the **3rd rank** in the coding contest held in College technical fest
- Qualify two rounds in L&T technology services hackathon selected in **129 out of 3500+** students
- **LeetCode**(300+ question) 🔗 | **Codeforces(1200+)** Pupil 🔗 | **Codechef(3*)** 🔗

RELEVANT COURSEWORK   ** Online Courses*

Data Structure & Algorithm*	Operating System	Computer Network
Solidity & web3*	MERN stack*	Blockchain & its Application*