Vaibhav Sinha

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EXPERIENCE

Software Developer March 2023 - Present
Tybros Technologies *Noida, India*
- Developed robust **RESTful APIs** using **Node.js, Express.js, and MySQL** to support diverse payment methods including Credit/Debit Cards, UPI, Bank Transfers, and Digital Wallets.
- Designed and implemented secure cryptocurrency transaction features **(buy, sell, transfer)** by integrating real-time market data (**via Axios and CoinGecko API**) and managing asset data with MySQL.
- Built a scalable and secure **authentication** and **authorization** system using **JWT tokens**, along with role-based access control via middleware.
- Secured sensitive user data and transaction details by implementing AES-128-CTR **encryption/decryption** using Node.js's built-in crypto module.
- Utilized a range of Node.js modules to enhance backend functionality and data handling: **md5**, **dotenv**, **cors**, **multer**, **nodemailer** etc.

Intern July 2022 - Sept 2022
Cisco Networking Academy *Remote*
- Gained understanding of firewalls, VPNs, and basic security protocols used to protect data in transit.

PROJECTS

Crypto Bit | View Project
- Built a full-stack cryptocurrency platform for seamless buying, selling, and transferring of cryptocurrencies.
- Pioneered a secure wallet management system leveraging multi-factor authentication, guaranteeing asset protection and resulting in zero reported incidents of unauthorized withdrawals or security breaches.
- Utilized a modern web development stack including **JavaScript (ES6+)**, **Node.js**, **Express.js**, **MySQL**, and **React.js** for building full-stack applications.
- Library and modules used to develop **Crypto**, **Qrcode**, **Tronweb**, **Ethers**, **CoinGecko**.

Bankconnect HRIS | View Project
- Engineered a personalized incentive-tracking web app for **Bankconnect's** business development team, leveraging ReactJS and ExpressJS, enabling 50+ BDs to monitor transaction success, boosting incentive transparency.
- Integrated Google Workspace applications (Calendar, Meet, Keep) into the HRIS platform to fetch schedules, meetings, and notes in real time, providing users with centralized access to their daily workflows.
- Connected Slack using official APIs to streamline team communication directly within the platform, improving productivity and reducing the need to switch between multiple applications.

KLNAV Way To Life | View Project
- Developed a web application through which Blood Banks provide their bloods to the needy one very easily.
- Implemented **2FA**(**Two Factor Authentication**) for user's security using **Nodemailer** and **Crypto**.

ACHIEVEMENTS

- As a **TEAM LEADER** leading 5 members and got awarded **3rd place** in **IDEATHON-2K22** out of **30+ teams** in 2022.| Link
- Successfully Completed **Virtual Internship** Program from **CISCO** in CYBER SECURITY in 2022.| Link
- Secured **78th Rank** out of **1200+ participants** in **CODECHEF KICK-D-HACK 21.3** in 2022.
- Got Awarded **BEST SPEAKER FREEDOM OF EXPRESSION** by **ROTARY INERNATIONAL CLUB** in 2018

SKILLS

- JavaScript , NodeJS, ExpressJS, ReactJS (Beginner)
- HTML, CSS, Bootstrap
- MySQL, MongoDB
- Git, GitHub, Postman
- Data Structures and Algorithms

EDUCATION

KIET Group of Institutions India
Master of Computer Application, *2021 - 2023*