NEHAL SAHU

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EDUCATION

Indian Institute of Information Technology, Design and Manufacturing, Jabalpur — **Present**
M.Tech - Computer Science & Engineering - CPI - 7.8 — *Jabalpur, India*

Dr. Ambedkar Institute of Technology for Handicapped — **August 2023**
B.Tech - Computer Science & Engineering - ***Percentage - 88.70*** — *Kanpur, India*

INTERNSHIP/EXPERIENCE

Amaze Software Technology (Software Developer) — **February 2024 – July 2024**

- Developed and maintained MERN stack projects, including a chat application.
- Worked on in-house projects, contributing to feature development and optimization.
- Gained experience working with legacy codebases, debugging, and implementing updates
- **Tech Used** : React.js — MongoDB — Express.js — Node.js — MySQL — Git — Php

Prashant Advait Foundation (Software Developer Intern) — **September 2023 – December 2023**

- Increased site traffic by **30percent** through strategic optimizations.
- Contributed to the **Redux project** with Svelte, focusing on designs with intricate state management.
- **Tech Used** : Svelte.js — Redux — Tailwind CSS — Git

PROJECTS

Buy Me Chai ⬀   **Solidity — Hardhat — Ethereum — React.js — MetaMask — JS**

- Built using Solidity to handle chai purchases
- Deployed on Ethereum testnets (Sepolia) using Hardhat.
- React.js-based UI with MetaMask integration for seamless transactions

Decentralised Identity Verification ⬀   **Solidity — Ethereum — Metamask — JS — Remix — Web3.js**

- Built a secure DApp using Solidity to register, verify, and retrieve identities on-chain.   .
- Deployed the smart contract on Ethereum (via Remix IDE) using Injected MetaMask provider.
- Developed a JavaScript frontend with Web3.js to interact with the blockchain.
- Ensured only admin can verify identities using custom modifiers.

Chat App ⬀   **React.js — Express.js — MongoDB — Socket.io**

- Built a real-time chat app using MERN stack
- Used Socket.io to enable instant communication between users.
- Stored and managed chat history efficiently with MongoDB for smooth conversations.

SKILLS

Languages: C++, JavaScript, Python, SQL
Developer Tools: VS Code, Remix, Postman
Database: Relational Databases (MySQL), MongoDB
Version Control: Git
IT Constructs: Data Structures & Algorithms, OOPS Concept, Computer Networks, Operating System, COA

ACHIEVEMENTS

- Solved over **600** Problems at **LeetCode**, **Geeks for Geek**,
- Ranked in **top 10%** in Codathon by NIT Bhopal.