MANNAN ALI SHAIKH

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in Linkedin | ○ Github

Skills

- **Languages:** C++ , C , Solidity , Python , Java , JavaScript
- **Framework & Database:** React.js , Node.js , Ethers.js (Basic) , MongoDB , MySQL, IPFS
- **Development Tools:** Git , Hardhat , Express.js , Cloudinary , Linux

Education

Vellore Institute of Technology Bhopal, India   **2022 − 2026**
Computer Science Engineering   ***CGPA: 8.79 (4-10-2024)***

Laxmi International School, India   **2022**
Class XII - CBSE (PCM + CS)   ***Percentage: 88%***

Laxmi International School, India   **2020**
Class X - CBSE   ***Percentage: 91.6%***

Projects

CollectiveHub − Backend for Media Sharing & Social Interaction | GitHub Link

- A backend project that allows users to upload, share and interact with multimedia (videos/images), and incorporate features such as tweets, subscriptions, comments and likes.
- Implements efficient 2-token mechanism (access, refresh), middleware for file uploads, custom API responses for error management to ensure a secure user experience and pagination for video search functionality for keyword-based filtering and sorting.
- **Tech Stack** - Node.js, Express.js, MongoDB, Mongoose, bcrypt, JWT, Cloudinary, Multer, Cors, Cookie-parser, Nodemon.

Blockify − Decentralized Solutions & Token Development | GitHub Link

- A comprehensive blockchain-based project featuring a Python-based blockchain, a custom cryptocurrency with API response.
- Deploys an ICO of 1,000,000 MannanCoins using a smart contract, supporting functionalities such as buying, selling, and withdrawing tokens, along with token management integration into the frontend for real-world applications | **Preview**
- **Tech Stack** - Python, Solidity, Hardhat, React.js, Ethers.js, Flask, Hashlib (SHA256).

Practice Projects:

- **Dzon** - A decentralized Amazon-inspired e-Commerce platform.
- **Note Keeper** - Google Keep clone.
- **Simon Game** - A memory-based game with 4 color sequences and sounds.
- **Tech Stack** - React.js, Solidity, Hardhat, Ethers.js, Express.js, REST APIs

Certifications

Blockchain A-Z Certified (Udemy) | Certificate   *January 2025*

- Learned advanced topics like Byzantine Fault Tolerance, transactions using UTXO, digital signatures (public/private keys), Segregated Witness (SegWit) and Consensus Protocols.

Cloud Computing Certified (NPTEL) | Certificate   *April 2024*

- Gained in-depth knowledge of cloud infrastructure, virtualization, distributed computing.

The Bits and Bytes of Computer Networking (Coursera) | Certificate   *December 2023*

- Gained a solid understanding of networking fundamentals, including TCP/IP, DNS, subnetting, and routing.

Positions of Responsibility

Partnership Department Team Member - AI Club, VIT Bhopal   *March '23 - Apr '24*

- Secured sponsorships by engaging with companies, organizations and promoting collaboration to ensure financial backing and successful event execution.
- **Skills**: Sponsorship Outreach, organizational communication and negotiation.