



# MANNAN ALI SHAIKH

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 [Linkedin](#) |  [Github](#)

## SKILLS

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

## EDUCATION

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**Vellore Institute of Technology Bhopal, India**

**2022 – 2026**

*Computer Science Engineering*

**CGPA: 8.79**

**Laxmi International School, India**

**2022**

*Class XII - CBSE (PCM + CS)*

**Percentage: 88%**

**Laxmi International School, India**

**2020**

*Class X - CBSE*

**Percentage: 91.6%**

## PROJECTS

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**SnapChain – Decentralized Memory-Sharing Platform** | [GitHub Link](#)

- Developed a decentralized platform to share, enjoy and preserve memories, improving content availability up to 60% using blockchain's distributed network.
- Utilized IPFS to store metadata such as images and descriptions, ensuring data integrity, transparency and reducing risk of data tampering by over 80% through decentralized, hash-verified storage.
- **Tech Stack** - JavaScript, Node.js, Express.js, Ethereum (Solidity), IPFS, Hardhat.

**SignWays – Indian Sign Language to Text translator** | [GitHub Link](#) | [Preview](#)

- A recognition system that translates Indian Sign Language (ISL) gestures into Text in real-time, detecting over 4 words, and enhancing communication for the hearing-impaired.
- Implemented backend for model inference and API communication, and designed responsive frontend to capture webcam input and display real-time predictions, ensuring interactive user experience.
- **Tech Stack** - Python, Flask, OpenCV, Keras, TensorFlow, JavaScript, React.

**CollectiveHub – Backend for Media Sharing & Social Interaction** | [GitHub Link](#)

- Built a RESTful backend for a social media platform with features like video sharing, comments, tweets, and subscriptions, supporting 100+ concurrent users.
- Minimized session hijacking risk up to 70% by implementing JWT authentication with access and refresh tokens; also integrated server-side pagination to reduce payload size, improving API response times by 30%.
- **Tech Stack** - Node.js, MongoDB, Mongoose, Cloudinary, JWT, Multer, Nodemon.

**Blockify – Custom Blockchain & ICO Platform** | [GitHub Link](#) | [Preview](#)

- A custom blockchain with block creation, proof-of-work consensus, and chain validation.
- Developed and deployed a smart contract for an ICO offering 1,000,000 tokens, and integrated a user-friendly frontend for better token management.
- **Tech Stack** - Python, Solidity, JavaScript, React, Ethers.js, Hardhat, MetaMask.

## POSITIONS OF RESPONSIBILITY

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**Partnership Department Team Member - AI Club, VIT Bhopal**

**March '23 - Apr '24**

- Engaged with more than 50 companies and organizations for collaboration and sponsorship opportunities.
- Secured more than Rs. 20,000 in funding, ensuring financial support and successful event execution.

## CERTIFICATIONS

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Blockchain A-Z Certified (Udemy) | [Certificate](#)

**January 2025**

Cloud Computing Certified (NPTEL) | [Certificate](#)

**April 2024**

The Bits and Bytes of Computer Networking (Coursera) | [Certificate](#)

**December 2023**