

MANNAN ALI SHAIKH

+91-7435894676 | alimannan.am244@gmail.com

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

SKILLS

- **Languages:** C++, C, Solidity, Python, Java, JavaScript, HTML, CSS
- **Framework & Database:** React.js, Node.js, Ethers.js (Basic), MongoDB, MySQL, IPFS
- **Development Tools:** Git, Linux, Postman, Hardhat
- **Core Concepts:** Object-Oriented Programming (OOP), Operating Systems, Computer Networks

EDUCATION

Vellore Institute of Technology Bhopal, India

2022 – 2026

Computer Science Engineering

CGPA: 8.74

Laxmi International School, Gujarat, India

2022

Class XII - CBSE (PCM + CS)

Percentage: 88%

Laxmi International School, Gujarat, India

2020

Class X - CBSE

Percentage: 91.6%

PROJECTS

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.
- Used IPFS to store metadata such as images and descriptions, ensuring data integrity, transparency, and reducing risk of data tampering by 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 a responsive frontend to capture webcam input and display real-time predictions.
- **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

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

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