Mannan Ali Shaikh

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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, GitHub, 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: 8.79*
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

- 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 | 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

- 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 | 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 then 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*