Ansh Mehta

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github.com/anshmehta7x

Education

Vellore Institute of Technology, B.Tech in Computer Science and Engineering — Sep 2022 - Jul 2026

- GPA: 9.10/10
- Technical Head at IEEE-Computer Society

Technical Skills

Languages: Python, C, C++, Java, JavaScript, TypeScript, Solidity
Frameworks: Next.js, TailwindCSS, Three.js, Node.js, FastAPI, Flask, OpenCV
Tools: Git, Docker, Postman, Firebase, AWS, Remix IDE
Databases: SQL, MongoDB, DynamoDB
Machine Learning: TensorFlow, NumPy, matplotlib, R
Blockchain: Hardhat, Foundry, Ethereum, Solidity

Experience

Software Developer Intern, XDC Network –Dubai, UAE — June 2024 –July 2024

- Engineered Solidity smart contract dApps with cross-functional teams.
- Established secure smart contract testing protocols using Hardhat and Foundry on Ethereum testnets.
- Analyzed DeFi protocols, specializing in yield farming and liquidity pools.

Projects

LastLink — Backend|Frontend

- Built a link-in-bio platform enabling users to share a single personalized URL containing all their social and web links.
- Developed a FastAPI backend with DynamoDB and Boto3 for scalable user and link data management.
- Created a responsive frontend using Next.js and TailwindCSS with real-time analytics and QR code generation.
- **Technologies:** FastAPI, DynamoDB, Boto3, Next.js, TailwindCSS

ScriptSync — April 2024

- Engineered multithreaded video translation pipeline with GPU-accelerated OCR and intelligent frame difference detection, reducing processing overhead by 60%.
- Secured 1st place at VIT Central Hackathon with production-ready system supporting real-time multi-language translation.
- Implemented advanced OpenCV processing with thread-safe caching, fuzzy text matching, and seamless visual text replacement.
- **Technologies:** Python, OpenCV, EasyOCR, Threading, Google Translate API, FFmpeg

LocalBlockchain — Github Link

- Architected Proof-of-Work blockchain from scratch with C++ and OOP principles for clean code.
- Programmed mining algorithms, cryptographic hashing, and Merkle Trees for efficient transaction verification.
- Developed backend C++ executable that communicates with frontend via HTTP server architecture.
- Created intuitive Electron.js/React.js interface for visualizing and interacting with blockchain data.
- **Technologies:** C++, Visual Studio IDE, OpenSSL, HTTP, Electron.js, React.js

Achievements

- Won 1st place at VIT Central Hackathon by developing **ScriptSync**, an innovative video translation tool using computer vision.
- Earned 2nd place at Code4Change Hackathon for developing **ForReal**, an audio and image deepfake detector service.
- Achieved 3rd place at DevJams by creating **StoryScape**, a GenAI-powered tool converting text stories into audio-visual experiences.
- Organised HackBattle, a successful hackathon engaging 600+ participants.