

Ansh Mehta

Mumbai, Maharashtra | anshkapilmehtha@gmail.com | 9930519079 | linkedin.com/in/anshmehta
github.com/anshmehta7x | anshmehta.dev

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: React.js, Next.js, TailwindCSS, Three.js, Node.js, FastAPI, Flask, OpenCV

Tools: Git, Docker, Postman, Firebase, AWS

Databases: SQL, MongoDB, DynamoDB

Blockchain: Solidity, Hardhat, Foundry, Ethereum

Experience

Software Development Engineer Intern , Amazon – Bengaluru, Karnataka	Jan 2026 – Current
• Contributed to Amazon Buddy , a multi-agent orchestration platform on Amazon Pay that automates cross-team operational investigations using a hub-and-spoke architecture with Supervisor and Domain Specialist agents.	
• Engineered distributed agent workflows leveraging AWS Bedrock, Lambda, and cross-account IAM roles to query siloed data sources (Kibana, DynamoDB, CloudWatch) without centralizing sensitive data, achieving 98% precision on UPI escalation resolution.	
• Built reusable CDK constructs for agent infrastructure (knowledge bases, action groups, data source accessors), reducing new automation setup from 8 weeks to 2 weeks and eliminating duplicate development effort across teams.	

Software Developer Intern , XDC Network – Dubai, UAE	Jun 2024 – Jul 2024
• Engineered Solidity smart contract dApps with cross-functional teams, implementing secure testing protocols via Hardhat and Foundry on Ethereum testnets.	
• Specialized in DeFi protocol analysis, focusing on yield farming and liquidity pools.	

Projects

ScriptSync	Apr 2024
• Engineered a multithreaded video translation pipeline with GPU-accelerated OCR, intelligent frame difference detection, and OpenCV processing (thread-safe caching, fuzzy text matching, visual text replacement), reducing overhead by 60%.	
• Secured 1st place at VIT Central Hackathon with a production-ready system enabling real-time translation for 150+ languages and seamless visual text replacement.	
• Technologies: Python, OpenCV, EasyOCR, Threading, Google Translate API, FFmpeg	

LocalBlockchain	Github Link
• Architected a Proof-of-Work blockchain from scratch using C++17 and OOP principles, implementing SHA-256 mining, cryptographic hashing, Merkle Trees, and an HTTP server backend to process 100+ transactions with 35% faster verification.	
• Developed an Electron.js/React.js frontend with 6 interactive components for blockchain data visualization	
• Technologies: C++17, Visual Studio IDE, OpenSSL 3.0, HTTP/REST APIs, Electron.js, React.js	

Achievements

• Won 1st place at VIT Central Hackathon by developing ScriptSync , a 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.