**Ansh Mehta**

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[GitHub](https://www.github.com/anshmehta7x)| [LinkedIn](https://www.linkedin.com/in/anshmehta/)

**EDUCATION**

**Vellore Institute of Technology**, Vellore, Tamil Nadu September 2022 - July 2026

*Bachelor of Technology (B.Tech) in Computer Science and Engineering*

GPA : 8.96

Relevant Coursework: Structured and Object-Oriented Programming, Data Structures and Algorithms, Web Programming, Design and Analysis of Algorithms, Computer Architecture and Organization, Operating Systems,

Database Management Systems, Computer Networks

**TECHNICAL SKILLS**

**Languages:** Python, C , C++, Java, JavaScript, HTML, CSS, Solidity

**Developer Tools :** Git, Docker, Postman, Kaggle, Remix IDE

**Frameworks:** ReactJS, NextJS, TailwindCSS, Node.js, Flask, OpenCV, Foundry, Hardhat

**Cloud Technologies:** AWS, Azure, Firebase

**ML:** Numpy, TensorFlow, R, matplotlib

**EXPERIENCE**

XDC Network , Dubai, UAE June 2024 – July 2024

*Blockchain Developer Intern*

* Collaborated with cross-functional teams to design and deploy decentralized applications (dApps) using Solidity-based smart contracts.
* Architected and executed comprehensive testing protocols for smart contracts on Ethereum testnets with Hardhat and Foundry, ensuring flawless security and functionality
* Researched decentralized finance (DeFi) protocols, acquiring expertise in yield farming and liquidity pools.
* Investigated the tokenization of real-world assets through smart contracts, facilitating secure ownership transfers and transparent transactions on the XDC blockchain.

**PROJECTS**

**ScriptSync** April 2024

*OpenCV, Python, ReactJS, FastAPI*

* Pioneered software capable of providing translation for videos, allowing the content and audio to be interpreted in any desired language
* Prototyped in VIT Central Hackathon, where it secured 1st place
* Utilized computer vision libraries to interpret text, recognize language and convert to desired language output

**ForReal** March 2024

*Python, Librosa, Matplotlib, TensorFlow, ReactJS, FastAPI*

* Devised a convolutional neural network model capable of predicting whether an input image or audio file is real or DeepFaked (AI-generated) with over 93% accuracy for audio and over 86% accuracy for images.
* Achieved 2nd place at CSED-VIT x SSIT-VIT’s Code4Change Hackathon
* Implemented data augmentation techniques to improve model robustness and generalization
* Developed a user-friendly web interface for easy upload and analysis of media files

**Portfolio** Present

*NextJS, Three.js*

* Developed a video game themed portfolio site featuring a 3D room with interactive capabilities, including collision detection and a grid system for structured movement.
* Created an engaging user experience by integrating interactive 3D graphics with portfolio information

**LEADERSHIP & COMMUNITY INVOLVEMENT**

**IEEE Computer Society – VIT Student Chapter** May 2023 – Present *Senior Core Member*

* Contributed to high-profile chapter events, including hackathons, workshops, and engagement activities
* Volunteered on the review panel for HackBattle, a 500+ participant hackathon
* Collaborated on cross-functional teams to deliver successful technical events and web solutions
* Streamlined key web projects such as enrolment portals, hackathon websites, airport management systems etc.