Ansh Mehta

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Portfolio | GitHub | LinkedIn

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 – anshmehta.tech   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.