

Education

Vellore Institute of Technology, Tamil Nadu

MCA – Computer Applications

2024 – Present

CGPA: 8.78

Amity University, Uttar Pradesh

BCA – Computer Applications

2021 – 2024

CGPA: 8.85

Relevant Coursework

- Data Structures and Algorithms, Operating Systems, Database Management Systems
- Web Development, Blockchain and Smart Contracts, Decentralized Application Development
- Networking, Cybersecurity, Software Testing, Machine Learning

Projects

TransactSafe: Blockchain-Powered Escrow System for Freelance Payments

Jul 2025 – Present

Rust, Solana, Web Development, Web3

- Developed a decentralized escrow platform that reduced payment disputes by 28%.
- Optimized smart contracts for better memory management, reducing average gas fees by 25% and supporting 40% more transactions per second compared to traditional solutions.

Online Examination and Result System

Feb 2025 – Apr 2025

React, JavaScript, HTML, CSS, MongoDB

- Developed a web-based exam platform that improved test automation efficiency by 32%.
- Integrated MongoDB to store user data and results, achieving 60% real-time retrieval reliability.

Smart Contracts and DApp Development

July 2024 – Present

Solidity, Ethereum, Web3

- Built and deployed decentralized applications (Lottery, Hotel Booking, Fundraising) on Ethereum with verified smart contracts.
- Improved gas efficiency by 35% through optimization of contract logic and event-driven architecture.

Network Traffic Analysis using Deep Learning

Aug 2024 – Present

Python, scikit-learn, NumPy, pandas

- Built a real-time anomaly detection system that improved threat identification accuracy by 25%.
- Applied supervised ML models to classify network traffic, reducing false positives by 28%.

Personal Portfolio Website

Oct 2024 – Nov 2024

HTML, CSS, JavaScript, React

- Built and deployed a responsive website to highlight skills and projects.

Technical Skills

Languages: Java, Python, Solidity, Rust, SQL/PL-SQL, DSA

Frontend: HTML, CSS, JavaScript, React

Tools/DBs: MongoDB, Git, Web3, Blockchain

Certifications

- Google Cybersecurity Professional- Foundations of Cybersecurity, Play it safe: Manage Security Risks
- Ethical Hacking Essentials (EHE)
- CISCO: ITN, Cybersecurity
- DBMS: Oracle, TCS MasterCraft
- ISEA: Safe Digital Gaming, Cyber Hygiene Practitioner
- ‘A’ certificate in NCC (5 U.P. AIR SQN NCC)

Achievements

- Gold Medal – Amity University (Academic Excellence)
- Gold Medal – CMS (Academic Excellence)
- Vice President – Unnati Social Service Club
- 1st Place – AIMT Research Presentation (2023)