

Anshul Yadav

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[Mail](#) | +91-9354805418 | [GitHub](#) | [Portfolio](#) | [LeetCode](#) | [Codeforces](#)

Education

Netaji Subhas University of Technology (NSUT), New Delhi	2024 – 2028
Bachelor of Technology in Information Technology	cgpa - 7.35

Greenway Modern School, New Delhi

Class XII: 92%, Class X: 90.2%

Technical Skills

Languages: C, C++, JavaScript, TypeScript, Solidity

Frontend: HTML, CSS, React.js, Vite

Tools: Git, GitHub, Linux, Postman, QEMU

Core CS: DSA, OOP, DBMS, OS, CN

Blockchain: Ethereum, Smart Contracts, Foundry, Ethers.js, ERC-20, Chainlink

Projects

TinyOS | x86 Assembly, C, GNU Make, QEMU

[Source Code](#)

- Built a minimal 32-bit operating system from scratch with a custom bootloader and kernel architecture.
- Implemented the boot sequence in x86 Assembly to load the kernel from disk and transfer execution control.
- Developed core kernel functionality in C, including screen output, low-level hardware interaction, and memory organization.
- Automated building, linking, and testing using GNU Make, linker scripts, and QEMU-based emulation workflows.

Aaradhya Laminates | React.js, Vite, JavaScript

[Live Demo](#)

- Increased mobile usability and responsiveness by 40% by building a modular frontend using React.js, Vite, HTML, CSS, and reusable UI components.
- Improved product discovery and customer navigation by implementing structured product categories, responsive layouts, and cross-browser compatibility.
- Reduced future maintenance effort by organizing the codebase into scalable React components.
- Built and deployed a real-world business website used for client engagement and product showcasing.

UBIQUIN (Ongoing) — Solidity, Ethereum, Foundry, Chainlink, ERC20

[Source Code](#)

- Built an overcollateralized stablecoin protocol with collateral deposit, mint, burn, and redeem mechanisms using Solidity smart contracts.
- Integrated Chainlink price feeds to validate collateral value and maintain peg stability during minting and withdrawal operations.
- Developed Foundry-based unit tests for collateral validation, oracle interactions, mint/burn flows, and edge-case handling.
- Optimized contract reliability and gas usage using custom errors, modifiers, and storage-efficient Solidity patterns.

Experience

Operations Lead | TDS Society, NSUT

- Coordinated logistics, scheduling, and communication for technical workshops and events involving multiple teams.

Sponsorship Volunteer | Resonanz & Moksha, NSUT

- Assisted in sponsorship outreach and stakeholder communication for large-scale college festivals.

Achievements & Certifications

- Solved 350+ DSA problems across LeetCode and Codeforces covering graphs, DP, trees, recursion, and greedy algorithms.
- Built and deployed real-world web applications and blockchain projects.
- HackerRank Problem Solving (Basic) Certificate.
- Cyfrin Foundry Solidity Smart Contract Development Certificate.