

Abhinav Chauhan

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EDUCATION

Bachelor of Technology in Electronics And Communication Engineering

2022 – 2026

The LNM Institute Of Information And Technology

CGPA: 7.55

HACKATHONS

sPay - Crypto Payment Gateway | *Next.js, Node.js, Typescript, Tailwind* | [Link](#) | [Github](#)

- Built a Stripe-style payment processor with a full backend–frontend flow for handling digital payments.
- Designed a state-machine transaction engine with real-time status updates, retries, and automated fund transfers.
- Developed a secure checkout experience (QR codes, timers, live updates) and merchant dashboard with React/Next.js.
- Implemented a reliable backend system with connection pooling, retry logic, and event-driven charge processing for real-time payments

PROJECTS

ShuttrSpace – Decentralized Photography Portfolio App | *Next.js, Typescript, Rust, Tailwind* | [Link](#) | [Github](#)

- Engineered a full-stack portfolio platform for photographers to upload, showcase, and manage digital assets.
- Implemented cryptographic metadata signing for authenticity, with tag-based search, filtering, for seamless discovery.
- Integrated IPFS (Pinata) for decentralized image storage, adding thumbnail generation, caching, and delivery optimization.
- Designed professional UI and frontend with Next.js, and Tailwind CSS, ensuring fast load times and mobile-first, portfolio-grade presentation.

Chatty – Real-time Chat App | *MERN Stack, Socket.IO, Zustand, DaisyUI* | [Link](#) | [Github](#)

- Engineered a real-time chat platform with text and image messaging using Socket.IO.
- Leveraged Zustand for efficient state management, ensuring responsive and consistent user interactions.
- Designed and implemented a secure authentication system with persistent chat history across sessions.
- Delivered a responsive, user-friendly UI with DaisyUI, improving accessibility across devices.

SketchSpace – Online Whiteboard Tool | *Next.js, TypeScript, TailwindCSS, WebSockets* | [Link](#) | [Github](#)

- Built a collaborative whiteboard tool enabling real-time multi-user drawing through WebSockets.
- Implemented core canvas features including drawing, erasing, and selection tools with optimized rendering.
- Developed room-based session logic, minimizing latency and state desynchronization across users.
- Enhanced UX with responsive layouts and a TypeScript codebase for maintainability.

TECHNICAL SKILLS

Languages: C++, JavaScript, TypeScript, SQL (PostgreSQL), HTML, CSS, Rust(currently learning) , Solidity

Frameworks & Platforms: React, Next.js, Node.js, Express.js

Developer Tools: Git, Docker, GitHub Actions, Vercel, AWS, MongoDB Atlas

Libraries & Technologies: Zustand, MongoDB, Socket.IO, WebSockets, Mongoose, DaisyUI, TailwindCSS, Material-UI, JWT, React Hook Form

Auth & Security: JWT, Express-sessions, Zod

Other Skills: DSA, CI/CD, UI/UX, Foundry, Mocha, Anchor

ACHIEVEMENTS

- Solved over **300+ problems** on [LeetCode](#).
- Completed Colt Steele's *The Web Developer Bootcamp* on **Udemy**.

CERTIFICATIONS

- **The Web Developer Bootcamp** — Colt Steele — [Certificate](#)
Full-stack web development course covering HTML, CSS, JS, Node.js, Express, MongoDB, and REST.