

Kritika Singh

Professional Summary

I'm a self-driven full-stack developer with experience shipping production apps using React, Next.js, and PostgreSQL. I enjoy designing scalable APIs, refining frontend architecture, and validating quality through E2E testing. I explore AI tools for pair programming and faster research, and I have interned at a tech startup developing Airlyft, a Web3 community platform used by leading projects like Polkadot and Mythos.

Skills

- **Frontend:** React, Next.js, Tailwind, TypeScript, JavaScript
- **Backend:** Node.js, NestJS, REST API, GraphQL
- **Database:** PostgreSQL, MongoDB
- **Tools:** Git, Prompt Engineering

Experience

- Feb – Aug 2025 **SDE Intern, Kyte Research Pte. Ltd.**
- Released 6+ production features with minimal supervision across web platforms.
 - Created and refactored REST APIs and backend logic using NestJS.
 - Improved frontend flows in both Next.js and React-based UIs, reducing bugs by 40%.
 - Proactively minimized post-release issues via comprehensive E2E testing.
- Jun – Aug 2024 **Web Development Intern, KaizenYou**
- Launched a full-stack website for internships and events using Next.js and Firebase.
 - Built real-time data features with Firestore and Firebase Auth.
 - Achieved 100% Lighthouse scores through optimized rendering and caching.

Projects

- November 2025 **Signalist — Stock Tracker**
- Built a stock-tracking web app delivering timely market updates to users' inbox.
 - Automated email alerts using Inngest workflows and Nodemailer.
 - Integrated TradingView widgets and Finhub API for real-time market data.
- Aug 2025 **Profile & Publication Manager**
- Built a full-stack web app to showcase and manage experience, education, and publications.
 - Implemented secure authentication and role-based access using Clerk.
 - Integrated Convex for real-time backend functions and data storage with Next.js frontend.

Education

- 2022 – 2025 **Bachelor of Computer Applications (BCA), University of Lucknow**

Achievements

- Reliance Foundation Scholar – Selected for academic merit (top 5000 across India).

Positions of Responsibility

- Deputy Head, Web Team – Entrepreneurship Cell, University of Lucknow.
- Core Team Member – Coding Club, University of Lucknow.
- Student Coordinator – Cybersecurity Conference 2024 (ICCICS).
- Social Media Manager – Literature Club, University of Lucknow.