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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'm currently interning 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, Firebase, GraphQL
- **Database:** PostgreSQL, Firestore
- **Tools:** Git, Figma, VS Code, Prompt Engineering

Experience

Feb – Present 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

Ongoing — **BudgetBuddy**
- Building an expense tracker to parse statements, auto-categorize expenses, and split shared bills.
- Using Transformer.js and Fuse.js for fuzzy matching and category inference; built with Next.js.

May 2025 — **CampusMart**
- Developed a used item marketplace with product listings, filtering, and secure login.
- Used Appwrite for backend-as-a-service and managed media uploads and auth.
- Built the system in TypeScript using Next.js and Tailwind.

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.