

Uttam Gupta

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TECHNICAL SKILLS

Computer Science student with experience building scalable **full-stack and real-time applications**, including a social platform serving **40K+ monthly users**. Skilled in **Next.js, React, React Native, and TypeScript**, with hands-on experience in **real-time systems, performance optimization, and secure API design**. Proven ability to deliver production-ready applications with strong focus on **scalability, user experience, and clean architecture**. Actively seeking a software engineering roles to contribute to high-impact products.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL, NoSQL

Frontend: Next.js, React, React Native (Expo & CLI), NativeWind / Tailwind, HTML5, CSS3

Backend: Node.js, Express.js, REST APIs, GraphQL, Prisma ORM

Databases: PostgreSQL, MongoDB, MySQL, Appwrite

DevOps/Tools: Git, GitHub, Expo Go

EXPERIENCE

Vync | *Next.js, React, TypeScript*

vync.live

- Built a social platform serving **40K+ monthly users** with scalable and type-safe architecture.
- Developed a **real-time streaming system** using LiveKit and WebSockets for audio/video and chat.
- Implemented secure API layer with **HttpOnly cookies** to protect sensitive tokens.
- Improved performance by **40%** using optimized infinite scrolling and React compiler.
- Used **TanStack Query** and **Zustand** for efficient state management.

PROJECTS

Fitual | *React Native, TypeScript, Prisma ORM*

View Project

- Designed and developed a cross-platform mobile fitness app using **React Native** and **TypeScript** with modular navigation and reusable components.
- Implemented authentication flow with **React Context**, token persistence via **AsyncStorage** and secure storage using **MMKV**.
- State architecture with **Zustand**: normalized workout entities, **functional setters**, and **selective rehydration** via **AsyncStorage**.
- Created an **Axios**-based API layer and centralized error handling using native **Alert**, prepared for backend integration.
- Prototyped **AI coach insights** with a mocked service, structured for easy integration with a production AI API.
- Enhanced UX with **NativeWind** styling, **Reanimated** interactions, icons, safe areas/screens optimization, and native **boot splash** for iOS/Android.
- Designed a normalized **PostgreSQL** schema with foreign keys, indexes, and **On Delete Cascade** policies to enforce referential integrity and streamline data lifecycle.

BookStore | *React Native, Node.js, MongoDB, JavaScript*

Jan 2025 – Present

- This is a full-stack social book sharing platform that combines modern mobile development with robust backend infrastructure, perfect for book enthusiasts to discover and share their favorite reads!
- Auto-Cleanup: Deletes images from **Cloudinary** when users delete their book recommendations to save storage
- **Base64** to URL Conversion: Converts mobile app's base64 image data to secure **CDN URLs** for fast delivery
- Image Storage & Optimization: Automatically stores, compresses, and optimizes book cover images uploaded by users.
- **Multiple Format Support**: Handles JPEG, PNG, and other image formats with automatic optimization

EDUCATION

Bikaner Technical University

B.Tech in Computer Science and Engineering

Rajasthan, Alwar

Aug 2022 – May 2026