

Vansh Chouhan

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EDUCATION

Oriental Institute of Science and Technology

B.Tech in Computer Science (Data Science)

CGPA: 7.21

Bhopal, Madhya Pradesh

Expected Graduation, August 2027

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, Tailwind CSS, Shadcn UI

Backend: Node.js, Prisma, Drizzle ORM, PostgreSQL

Tools: Git, Vercel, Postman, Clerk Auth, Stripe, Supabase

Concepts: RESTful APIs, Server Actions, Authentication, Performance Optimization

PROJECTS

AI-Powered Finance Platform | Next.js, React, TypeScript, Prisma, Supabase, Gemini API

[Github](#) | [Live](#)

An AI-powered finance platform that delivers personalized financial insights, summaries, and analytics through a modern, responsive dashboard. Built as a real-world SaaS with secure authentication, background job processing, and scalable architecture using Next.js, Supabase, and event-driven workflows.

Responsibilities:

- Built a **full-stack AI finance platform** using **Next.js 15, React 19, Tailwind CSS v4, Prisma, and Supabase**, creating real-time dashboards and user-specific data views.
- Implemented **background jobs with Inngest** for report generation and data syncing, tested to reliably process scheduled tasks.
- Developed **secure authentication and row-level access control with Supabase Auth**, validated through protected route testing.
- Integrated **ArcJet API and AI-driven financial insights**, with caching and batching to reduce redundant API calls and maintain responsiveness.

Language Learning SaaS Platform | Next.js, React, TypeScript, Drizzle ORM, NeonDB, Clerk

[Github](#) | [Live](#)

A production-grade, Duolingo-inspired language learning SaaS featuring AI-powered voice lessons, immersive characters, and a fully gamified learning experience with hearts, XP, quests, leaderboards, and in-app purchases. Built to simulate a real-world, scalable SaaS product with authentication, subscriptions, admin tooling, and modern backend architecture.

Responsibilities:

- Built a **full-stack SaaS** using **Next.js 16, React 19, Tailwind CSS v4, Drizzle ORM, Neon PostgreSQL**, implementing gamified systems and modular components for lessons, hearts, XP, and shop.
- Integrated **ElevenLabs AI voice lessons and sound effects** using asynchronous streaming endpoints to improve lesson loading and playback reliability.
- Implemented **secure authentication and role-based access with Clerk**, with tested login flows and session management.
- Developed **Server Actions and React Server Components** to reduce redundant client-side data fetching; deployed on **Vercel** with verified performance improvements via Lighthouse audits.

ACHIEVEMENTS

- Self-taught Next.js and modern web development through building production-grade applications
- Active GitHub contributor showcasing full-stack development projects and best practices