

# Vansh Chouhan

Bhopal, MP, India | chouhanvansh00@gmail.com  
Linkedin: [vanshchouhan](#) | Github: [vxns1](#) | Portfolio: [vxns.dev](#)

## EDUCATION

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**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

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**Frontend:** React, Next.js , TypeScript, JavaScript, Tailwind CSS, Shadcn UI, Framer Motion, GSAP, Zustand

**Design & UI Systems:** Figma, Accessibility, Responsive & Fluid Layouts, Typography Systems, Color Theory, Micro-interactions

**Tools:** Git, Vercel, Clerk Auth, Supabase

**Concepts:** UX Thinking, Interaction Design, State Management, RESTful APIs, Server Actions, Performance Optimization

## PROJECTS

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**Vanta** | React, Vite, TypeScript, GSAP, Tailwind CSS

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

A high-performance, animation-driven portfolio platform featuring immersive video backgrounds and scroll-triggered interactions. Built to showcase products and visual storytelling through fluid UI motion and optimized frontend architecture.

### Responsibilities:

- Engineered a **single-page animated web experience** using React 19 and Vite, delivering fast load times and **smooth client-side navigation**.
- Implemented **GSAP + ScrollTrigger** powered scroll-based animations for dynamic product card reveals and immersive user interactions.
- Built **full-screen responsive video** hero sections with layered text overlays optimized for different screen sizes.
- Developed **modular component architecture** with reusable UI elements including navigation, dynamic time display, and back-to-top interactions.

**Fluent** | 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

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- **Finalist – PVG HackHub (24-Hour National Level Hackathon)**  
Selected among top finalist teams for designing, building, and presenting a fully functional prototype within a 24-hour competitive environment.
- **Runner-Up – ACM Coding Challenge, Oriental Institute of Science and Technology**  
Secured 2nd position in a time-bound competitive programming contest focused on Data Structures and Algorithms.