Lakshay Kumawat

Bachelor of Technology
Computer Science and Engineering
Indian Institute Of Information Technology, Pune

📞 +91-8949312531
✉ klaksh0505@gmail.com
 GitHub Profile
 LinkedIn Profile

EDUCATION

•**Bachelor of Technology in Computer Science and Engineering** — *2022-26*
Indian Institute of Information Technology, Pune — CGPA: 8.24

TECHNICAL SKILLS

Languages & Core: JavaScript, TypeScript, Python, C++, Data Structures & Algorithms, OOP
Frameworks: Next.js 15, React.js, Node.js, Django, Express.js, Redux
AI & Cloud: Generative AI (Gemini/Mistral), Prompt Engineering, AWS, Docker
Databases & Tools: PostgreSQL, MongoDB, Drizzle ORM, Git/GitHub, Postman

EXPERIENCE

•**Frontend Engineer Intern @ Marine CAD Design & Analysis** — *Remote/Pune*
Tech Stack: Next.js, TypeScript, RTK Query, Tailwind CSS — Present

- Architected full-stack **ERP system** using **Next.js 14**, **TypeScript**, and **Redux Toolkit**, managing **15+ modules** (Sales, HR, Projects, Vessels, Payments) serving **100+ daily users**.
- Engineered **17+ RTK Query APIs** with advanced caching, reducing API calls by **60%** and improving data fetching efficiency by **45%** through optimistic updates.
- Developed **35+ reusable components** with **React Hook Form** and **Zod validation**, implementing responsive UI using **Tailwind CSS** achieving **100% mobile compatibility**.
- Built advanced data tables with **TanStack Table v8** handling **10,000+ records** with <**200ms** render time, integrated **PDF generation** and **Chart.js** dashboards.

PROJECTS

•**AI-Powered Course Generator Platform** — *Sep 2025 – Nov 2025*
GitHub Repository — NextJS, TypeScript, PostgreSQL, Gemini AI

- Architected full-stack GenAI platform with **15+ RESTful APIs** and **dual LLM integration** (Gemini + Mistral), enabling automated curriculum generation with multi-chapter structures, reducing course creation time by **70%**.
- Designed **8-table relational database schema** with JSONB storage, cascade deletions, and optimized PostgreSQL queries; implemented Better Auth with OAuth, email verification, and session management.
- Developed responsive UI with Redux state management (RTK Query for **12+ cached endpoints**), shadcn/ui components, and Cloudinary integration for scalable image handling with **100% type safety**.

•**GreenPact - AI-Powered Agricultural Contract Platform** — *Aug 2025 – Nov 2025*
GitHub Repository | Live — NextJS, Django, PostgreSQL, Gemini 2.5

- Architected **Google Gemini 2.5** chatbot with geospatial filtering and contract analysis (**95%+ accuracy**), plus **WebSocket infrastructure** handling **1000+ concurrent users** with <**100ms latency**.
- Engineered **20+ REST APIs**, **50+ React components**, biometric verification, multilingual support (English/Hindi), and 3D UI with React Three Fiber—processing **5000+ API calls/day**.
- Containerized with Docker, deployed on Vercel/AWS achieving **99.5% uptime**, serving **500+ users**.

•**Cloud Kitchen Marketplace Platform** — *Oct 2024 – Dec 2024*
GitHub Repository — NextJS, Django, MongoDB, PostgreSQL

- Constructed microservices with 3 backends and WebSocket real-time notifications handling **10K+ concurrent users**; optimized with CDN achieving **60% faster loads**, **95+ Lighthouse scores**, and **40% fewer API calls**.
- Designed and integrated a comprehensive review system with moderation tools, collecting 2,000+ customer reviews monthly and providing actionable insights for product improvement.
- Supports **100+ chefs**, **1000+ dishes**, **500+ monthly orders** with **4.8/5** customer rating.

ACHIEVEMENTS

•**Hackathon Win 2nd Prize** at Hacking IIITP Hackathon for innovative problem-solving

•**Finalist** Top 5 Finalist at Devstorm BITS Goa (Ranked 5th among 100+ teams)

CODING PROFILES

•**LeetCode**: 150+ Problems Solved | **GeeksForGeeks**: 100+ Problems Solved

CERTIFICATIONS

•**Machine Learning Proficiency: YHills** — *View Certificate*