

# Utkarsh Saxena

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## Skills

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**Languages:** JavaScript (ES6+), TypeScript

**Backend:** Node.js, ExpressJS, REST APIs, JWT Auth, WebSockets, Socket.IO

**Databases:** PostgreSQL, MongoDB, ConvexDB, Pinecone, Redis

**ORM:** Prisma, Drizzle

**Frontend:** React.js, Next.js, Tailwind CSS, GSAP, Framer Motion, Three.js / React Three Fiber (Basics), Redux Toolkit

**AI Integrations:** Gemini API, LangChain

**Tools:** Git, GitHub, Docker, Postman, VS Code

**Deployment:** Vercel, Render, Sevala, Netlify

## Projects

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**CaseDock – Legal Case Management System** [GitHub](#) (Present)

*Next.js, TypeScript, Node.js, Express, MongoDB, Tailwind, Cloud Storage*

- Building a full-stack legal case management platform to organize cases, documents, and hearing schedules.
- Designed modular backend APIs with role-based access control for advocates and staff.
- Implementing secure file uploads, case status tracking, and activity logs.
- Focused on scalability, clean architecture, and real-world legal workflow modeling.

**Car Rental System Backend** [GitHub](#) (Jan 2026)

*Node.js, ExpressJS, TypeScript, PostgreSQL, Prisma ORM, JWT, Bcrypt*

- Architected a production-grade REST API with scalable relational data models using Prisma ORM and PostgreSQL.
- Implemented secure JWT authentication and authorization with middleware-based protected routes and ownership checks.
- Built business-driven booking workflows with dynamic pricing and status transitions (booked, completed, cancelled).
- Added centralized error handling and strict request validation aligned with clean API standards.

**CogniAI – AI Chatbot** [GitHub](#) (Aug 2025)

*Node.js, React.js, Socket.IO, Gemini API, Pinecone, RAG*

- Designed and implemented a Retrieval-Augmented Generation (RAG) pipeline using Pinecone vector database for context-aware AI responses.
- Built a real-time AI chat system using Socket.IO for low-latency bidirectional communication and streaming responses.
- Architected a scalable full-stack system integrating Gemini API with vector search for semantic retrieval.

**Feastables Redesigned** [Live](#) | [GitHub](#) (Jul 2025)

*React.js, Tailwind CSS, Framer Motion, GSAP, Three.js / React Three Fiber*

- Reimagined and built a modern responsive e-commerce UI with reusable React components.
- Integrated smooth motion-based animations to improve interactivity and user experience.
- Maintained performance and accessibility best practices across devices.

## Education

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- Pursuing **B.Tech** at Invertis University, Bareilly (2023–2027), **Current CGPA: 8.5**
- **Class 12 (CBSE)** — 81.2% (2023)
- **Class 10 (CBSE)** — 86% (2021)

## Achievements

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- **1st Runner Up** — **Techathon**, Invertis University (Role: Frontend) (Oct 2024)
- Sheryians Coding School Hackathon — National-level participation.

## Certifications

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- **Job Ready AI Powered Cohort** — Sheryians Coding School (2025)
- **Python for Data Science** — IBM (2025)
- **Alpha (DSA with Java)** — Apna College (2024)
- **Full Stack Web Development** — Apna College (2024)