KAPIL BAMOTRIYA

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Education

Indian Institute of Technology, Delhi   2021 - 2025*
Bachelor of Technology in Biotechnology and Biochechemical engineering

Cosmopolitan Public School Khachroda   Depalpur, Indore
***12th:** 91.0% **10th:** 87.6%*   *2018-2020*

Internships

Faff Technologies Pvt. Ltd. *(Founding Engineer)*   **June'25 - Aug'25**
- Archtd. full-stack **ticketing system** (Next.js, FastAPI, Docker), migrtd. **entire ops** from **Sheets**, key to **seed** funding
- Integrated **GenAI**: auto-notes (**90%** automation), AI QA (**30%** fewer errors), task summaries (**40%** faster onboarding)
- Built AI **voice agents** with **VAPI** in **1.5wks**; automated **50%** of calls & supported seed round w/ **1k pre-seed** calls
- Multi-prompt GenAI system: parsed unstructured chats → **customer profiles & insights** for better **CX** & **retention**
- LLM Task categorizer w/ **87% acc. across 150+** & **95% on 3 core categories**, utilizing **embedding** from 5k tasks
- 25+ metric analysis: drove KPIs (e.g., **on-time ETAs 45%→70%**) **auto reports to vcs**, saving ~2 manual days/week

ByteAlchemy Innovations Pvt. Ltd. *(Front End Developer)*   **Dec'24 - Mar'25**
- Crafted **pixel-perfect UI** from Figma using Next.js, Shadcn components & **Tailwind CSS** for responsive landing flows
- Used **Zustand** for complex state management, optimized performance with **lazy loading** & reduced load times by 40%
- Intgd. real-time **websockets** & custom **Google Maps API** w/ advanced animations for interactive location services
- Built secure **auth** flows, comprehensive user dashboards and implemented **GA4 & Hotjar** for conversion tracking

Lyskraft India Pvt Ltd, Gurgaon *(Front End Developer)*   **Sept'24 - Nov'24**
- Built key pages of an **E-com** app, including the homepage and multimedia component, using **Remix** and **GraphQL**
- Improved load times and rendering of page using Remix's **Deferred and Critical Data** loaders for a faster experience.
- Fixed loading issues on PDP and PLP, added in-store availability, and interactive animations with **25% faster** loading.

Projects

Fitness Event Management Platform (Freelance)
- Built **WhatsApp chatbot** API for **event registration**, automated conversation flows and **payment link** distribution
- Developed **Next/Prisma** backend; integrated **RazorPay** for payments & **Calendar API** for auto-meet generation
- Created comprehensive **admin portal** for event management, analytics, trainer assignments and user administration

Focus Lens Chrome Extension
- engineered "Smart Focus" extension w/ custom modes for site blocking, usage timers, using chrome's rule-based engine
- Built automatic time tracker to reveal productivity patterns tracks active tab usage & daily/weekly analytics dashboard
- YouTube analytics tracker for per-video metrics (watch time, vid/shorts) to reveal usage patterns & manage screen time

Invoice Generation App (Freelance)
- Developed **subscription-based invoice** app using **Next.js** and **Prisma** (5 free invoices, then monthly subscription)
- Implemented auto customer recognition to access their info, **generate** invoices, **download** current and **past invoices**
- Integrated **daily rate inputs** for dynamic calculations; **Automated rate computations** for accurate & faster billing.

Social-media app
- Built a social platform with **Next, Lucia, and Prisma,** enabling accounts, likes, comments, and real-time notifications
- Engineered a media system with **Uploadthing** for photo/video uploads, integrated **PostgreSQL** & added dark mode.

Real time Chat Application
- Built real-time chat app with **user status**, **JWT authentication** & **media storage in MongoDB** using REST API.
- Used **WebSockets** for seamless communication and online user detection, used **React.js** & **Node.js**, **Express** backend

Technical Skills

Languages	JavaScript, TypeScript, Python, HTML, CSS, SQLite3,
Software & Frameworks	React.js, Node.js, TailwindCSS, MongoDB, FastAPI, Socket.IO, LLM Integration