Kushal Goyal
Software Engineer

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EDUCATION

B. Tech.
Netaji Subhas University of Technology, New Delhi
CGPA: 8.3
Year: 2022 - 2026

TECHNICAL SKILLS

- **Programming Languages**: Java, Typescript, JavaScript
- **Frameworks & Libraries**: React, Recoil, Node.js, Express.js, Tailwind CSS, Axios, React-Router-Dom, React-Hook-Forms
- **Key Courses**: Data Structures & Algorithms, Operating Systems, Computer Networks, DBMS
- **Databases**: PostgreSQL, MongoDB, SQL and ORMs - Prisma and Mongoose
- **Tools & Technologies**: Git, AWS, EC2, S3, HTML, CSS, JavaScript
- **Real-Time Communications**: WebRTC, WebSockets

PROJECTS

- **HealthHub: Doctor-Patient Appointment Scheduling**

  Full Stack Project   Code

  - Implemented secure user login, signup, and authentication with JWT.
  - Developed comprehensive registration forms for doctors and patients.
  - Integrated MediBot, an AI-powered health chat service using OpenAI GPT-3.5 Turbo.
  - Built a robust search feature for doctors by specialization and expertise.
  - Streamlined the appointment booking process with Razorpay integration, achieving a payment success rate of over 93%.
  - Facilitated seamless one-on-one video calls with doctors using secure video call APIs.
  - Created dynamic dashboards for doctors and patients to manage appointments, profiles, and history.
  - **Tech Stack:** Typescript, React, Recoil, React-Hook-Form, Tailwind CSS, Axios, Shadcn, React-Router-Dom, Zod, Prisma, PostgreSQL, JWT, Razorpay, OpenAI-API, Express.js.

- **Short.ly: URL Shortener Service**

  Full Stack Project   Code

  - Developed a secure user authentication system with JWT.
  - Designed RESTful API endpoints for URL shortening.
  - Implemented redirection to actual URLs.
  - Added detailed analytics for shortened URLs, tracking time, IP address, and device type.
  - **Tech Stack:** Typescript, React, Recoil, Tailwind CSS, Axios, React-Router-Dom, Zod, JWT, Express.js, Express-Device, MongoDB, Mongoose.

- **MarketPlace: E-Commerce Marketplace**

  Full Stack Project   Code

  - Built a user authentication system along with login and signup.
  - Developed an admin panel for product management, enabling easy addition of products and reducing admin workload.
  - Implemented advanced search and sort functionality for searching using name, category, brand, and price.
  - Created a user cart system for product additions
  - **Tech Stack:** Express.js, React, Mongoose, JWT, Zod, Axios, React-Router-Dom.