Kshitij Kumar

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PROJECTS

SellMate – Student Marketplace Platform   Dec 2024 – Present
- Built a e-commerce platform for users to buy, sell, and auction products with real-time bidding and live chat.
- Implemented WebSockets for real-time auction updates and chat, enabling seamless buyer-seller interaction.
- Integrated authentication with **BetterAuth** and JWT for secure, scalable user management.
- Designed a modern, responsive UI with dark mode and interactive product pages using **ShadCN**.
- Optimized data handling using **PostgreSQL**, **Drizzle**, and **Supabase**, ensuring reliable, scalable, and efficient backend performance.
- **Tech Stack:** Next.js, Tailwind CSS, PostgreSQL, Hono, Supabase, Drizzle ORM, BetterAuth, Docker.

Client Testimonial Platform   Nov 2024 – Feb 2025
- Developed a platform to streamline the collection, management, and display of client testimonials.
- Implemented **Google OAuth** for secure authentication, ensuring user privacy and seamless login.
- Optimized relational database queries with **Prisma PostgreSQL**, improving data retrieval speed by **40%**.
- Enhanced maintainability with **MonoRepo architecture**, reducing redundant code by **30%**.
- Designed a responsive UI with **Tailwind CSS**, improving page load times by **25%**.
- **Tech Stack:** Next.js, Tailwind CSS, PostgreSQL, Google OAuth, Prisma, JWT, Docker.

Medium Blog   Sept 2024 - Oct 2024
- Developed a Medium.com clone with article publishing, editing, and user interactions.
- Achieved **99% uptime** using Cloudflare Workers (Wrangler) for global, low-latency access.
- Optimized database queries with Prisma ORM PostgreSQL, achieving **40% faster response times**.
- Containerized deployment using Docker for scalability and environment consistency.
- Reduced CSS size by **30%** with Tailwind, improving load times.
- **Tech Stack:** React.js, Wrangler Workers, Docker, Prisma, PostgreSQL, Tailwind CSS, TypeScript, Google OAuth, JWT.

TECHNICAL SKILLS

Languages: C++, C, Java, SQL, JavaScript, TypeScript
Frameworks: ReactJS, Tailwind CSS, Next.js, Bootstrap, Express, Node.js
Developer Tools: Git, Prisma, Docker
Databases: SQL, Postgres, MongoDB

CERTIFICATION

Introduction to MongoDB: from MongoDB	*Jul 2024*
Web Development: from Udemy	*Jul 2024*
Data Structure and Algorithm: from Udemy	*Jun 2023*

ACHIEVEMENT

Solved **350+ Data Structures and Algorithms** problems on **LeetCode** and **GeeksforGeeks**, covering all important DSA topics, including arrays, linked lists, stacks, queues, trees, graphs, dynamic programming, and recursion.

EDUCATION

Lovely Professional University   Jalandhar, Punjab
Bachelor of Technology in Computer Science, Minor in Web Development   *Aug 2022 – Jul 2026*

R.L.S.Y. College   Aurangabad, Bihar
Higher Secondary Education (PCM)   *Jun 2019 – Jul 2021*

Patel High School   Aurangabad, Bihar
Secondary Education   *Mar 2018 – May 2019*