AYUSH KASHYAP

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Profile Summary

- Proficient in creating responsive websites and web applications using React.js, Next.js, Node.js, and modern web technologies.
- Experienced in building serverless backend applications with MongoDB, PostgreSQL, and cloud platforms.
- Skilled in developing real-time systems with Websockets, Socket.IO, and AI-powered solutions

Technical Skills

- **Core CS Concepts:** DSA, OOP, DBMS
- **Programming & Web Technologies:** C, C++, JavaScript, TypeScript, HTML, CSS
- **Development & Frameworks:** React.js, Next.js Tailwind CSS, Node.js, Express.js, Hono.js, Socket.IO
- **Databases & State Management:** MongoDB, PostgreSQL, Zustand
- **Tools & Platforms:** Docker, Firebase, Git, GitHub, Prisma, Postman, VS Code
- **Soft Skills:** Leadership, Collaboration, Problem-Solving, Mentorship

Education

Heritage Institute of Technology	Oct. 2022 – June 2026
Bachelor of Technology, Computer Science	Kolkata, West Bengal

Projects

COMUNIQ | React.js, Tailwind CSS, Node.js, MongoDB, Socket.io, Zustand, Cloudinary   Live Preview ⬤

- Built Comuniq, a real-time chat platform using React.js, Node.js, Express.js, MongoDB, and Socket.io. It supports private one-on-one messaging, structured group channels, and a global chatroom for community-wide communication. Designed for full mobile responsiveness, ensuring a seamless experience across all devices.
- Implemented secure authentication with JWT and Google OAuth 2.0 (via Passport.js), enabling encrypted sessions, role-based access control, and smooth user onboarding.
- Integrated Cloudinary for media uploads and previews, supporting image/video handling with optimized delivery. Enhanced frontend performance with React memoization, lazy loading, and efficient state management, reducing re-renders by 40%.

POSTLY | React, Typescript, Langchain, Prisma, PostgreSQL, Cloudflare Workers, Hono   Live Preview ⬤

- Full-Stack Blog Platform – Developed a responsive blogging application using React.js, Tailwind CSS, Prisma, and PostgreSQL, enabling post creation, reading, and secure user authentication at all access points.
- AI-Powered Content Creation – Integrated a "Write with AI" feature using Mistral AI, allowing users to generate blog post content dynamically with smart suggestions.
- Scalable Serverless Backend & Monorepo Architecture – Leveraged Cloudflare Workers and Hono for fast, scalable routing, and structured a shared monorepo (npm) with Zod schema validation and reusable TypeScript types for full-stack consistency and type safety.

Achievements

- Smart India Hackathon 2024: Selected among the top 30 teams from the college for a national-level competition.
- Web Development Mentorship: Introduced and mentored 50+ students in a live session about web development basics for Noobuild.
- Open Source Contributor at SWoC Season 5.