AYUSH KASHYAP

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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, Express.js, Socket.io, Zustand, Cloudinary Live Link Repo Link
- Real-time Messaging: Utilizes Socket.io for instant communication and real-time updates, ensuring seamless interaction.
- State Management: Employs Zustand in React for efficient state handling across active chats, user sessions, and channels.
- Data Handling: Leverages MongoDB with aggregation pipelines to manage large datasets, enabling fast retrieval and filtering of chat history and user interactions.
- Feature-rich Frontend: Built with React JS, offering private messaging, group chats, file sharing with preview, and secure, scalable communication.

POSTLY | React, Typescript, Tailwind CSS, Prisma, PostgreSQL, Cloudflare Workers, Hono   Live Link Repo Link
- Built a blogging platform with React.js, Tailwind CSS, Prisma, and PostgreSQL allowing users to post and read blogs, with authentication at sign-up, login, and session points.
- Authentication Integration – Implemented JWT-based authentication for secure user sign-up, login, and session management.
- Cloudflare Workers & Hono – Used Cloudflare Workers for serverless functions and Hono for optimized routing, ensuring scalability and low-latency performance.

LINKEDIN CLONE | React.js, Tailwind CSS, Node.js, Express.js, Mongo DB   Repo Link
- Email Testing: Integrated Mailtrap for simulating email communications like welcome emails, notifications, and connection requests during development.
- Image Handling: Used Cloudinary for efficient image uploads, processing, and optimization for profile pictures and post attachments.
- Data Fetching: Implemented React Query for real-time data fetching, caching, and dynamic updates.
- Scalable Design: Built a responsive, scalable LinkedIn clone with seamless user interactions and real-time updates.

Technical Skills

Languages : C, C++, Python
Frontend : HTML, CSS, JavaScript, React.js, Typescript
Backend :   Node.js, MongoDB, Express.js, Prisma, PostgreSQL, Hono
State Managemnent : Zustand, Recoil, Redux
Frameworks/Services/Tools: Tailwind CSS, Firebase, VS Code, Git, GitHub

Data Structures and Algorithm | OOPS | DBMS

Achivements/ExtraCurricular

Team Leader   Aug 2023
Smart India Hackathon   Heritage Institute of Technology
- Selected twice for the Smart India Hackathon (23,24).

Member   June 2024
GDSC   Heritage Institute of Technology
- Member of GDSC club of HITK.