YASHARTH SINGH

Full-Stack Developer / Student

Portfolio ☎

yasharthsingh0910@gmail.com ✉

Github ⓖ

linkedin ⓛ

ABOUT ME

My name is Yasharth Singh, a 2nd-year CSE student with a primary interest in Web Development. I am proficient in various frontend and backend technologies, with foundational knowledge in DevOps, website security, and real-time communication. My projects span different tech stacks, from Next.js to React. I am passionate about creating innovative solutions that challenge me and offer opportunities to learn and grow.

EDUCATION

Jaypee Institute of Information Technology

Bachelor's in Technology
Computer Science & Engineering
2023-2027

Ryan International School

Schooling
2009-2023

SKILLS

- **Languages:** JavaScript, TypeScript, PHP, C/C++
- **Frontend:** React, Context API, Recoil, Redux, Next js, HTML, CSS, Tailwind CSS, Turborepo
- **Backend:** Node js, Express, Prisma, Mongoose, Auth, Cloudflare, OPEN API specs, Zod,
- **Devops & Infrastructure:** Nginx, Reverse Proxies, DDOS protection, Rate Limiting, Captchas, Basic AWS
- **Real Time communication:** WebSockets, WebRTC, Socket.io, Pub/Sub
- **Backend:** Postgres SQL, Mongo DB
- **Robotics:** Arduino, Ki CAD

ACHIEVEMENT

- **Certificates:**
  - Harkirat 0-100 Cohort 2
- **Achievments:**
  - Qualified SIH Internal 2024
  - Student Coordinator: Induction'24
  - Core Team Member : CICR

PROJECTS

Live Link

Deployed Link: live-link-smoky.vercel.app

- Implemented a signaling server using Socket.IO to manage connection establishment and media stream signaling.
- Created sender and receiver components with functionalities like mic/camera toggling, remote video muting, and real-time status updates.
- Ensured robust error handling and optimized Socket.IO reconnections for consistent performance.
- Focused on delivering a seamless and user-friendly experience.
- Under Development

We-Talk

Deployed Link: https://medium-hazel-six.vercel.app/signup

- Developed a blogging website using TypeScript, Prisma, and PostgreSQL.
- Implemented user authentication to allow users to create accounts securely.
- Enabled users to publish blogs with timestamps indicating when each blog was posted.
- Integrated features for managing user accounts and tracking blog publication times.
- Focused on providing a seamless and user-friendly experience for content creation and management.

Kaze India

Repository Link: https://github.com/yasharth-0910/Kaze-India

- Developed Kaze India, a payment application that enables users to transfer money from their bank account to a digital wallet and send it to friends.
- Built a custom bank webhook from scratch to handle transactions due to the unavailability of a banking API.
- Implemented secure user authentication for safe and reliable financial operations.
- Focused on delivering a secure and user-friendly platform for digital payments and money transfers.