

# AYUSH KASHYAP

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## Experience

### Edunet Foundation | Jul 2025 – Aug 2025

AI & Cloud Intern Remote, IN

- Completed a **4-week AICTE internship on AI, Cloud, and Data Analytics** under IBM SkillsBuild & Edunet Foundation.
- Developed an **Agentic AI project on IBM Cloud**, leveraging **Retrieval-Augmented Generation (RAG)** with foundation models to solve real-world problem statements.
- Acquired **hands-on expertise in Cloud Computing, Data Analytics, Chatbots, and AutoAI** through mentor-led sessions and project-based learning.

### Heritage Institute of Technology

May 2025 – June 2025

Frontend Engineer (Freelance Project)

Remote, IN

- Designed and developed the official **Resonance Music Club** website with **Next.js, Tailwind, Canvas-based dynamic background, and shadcn-UI**.
- Integrated Cloudinary and Next.js** for optimized media storage, gallery management, and image performance.
- Enhanced **user experience with Framer Motion animations** and applied **SEO best practices**, improving site visibility and engagement.

## Projects

### ComuniQ | [Project Link](#) | [Github](#)

React.js | Tailwind | Node.js | Zustand | Express.js | Socket.io

- Built a **real-time chat application** with **React.js, Node.js, Express.js, MongoDB, and Socket.io**, supporting **REST APIs, private chats, group channels, and a global chatroom, fully responsive** across devices.
- Implemented **secure authentication using JSON Web Token (JWT) and Google OAuth 2.0** (Passport.js); integrated **Cloudinary** for seamless **media uploads, previews, and downloads of multiple file types**.
- Enhanced frontend performance with **memoization, lazy loading, efficient state management**, and shadcn-UI components, **reducing re-renders by ~40%** and improving user experience.

### Postly | [Project Link](#) | [Github](#)

React.js | Tailwind | TypeScript | Hono.js | PostgreSQL | Cloudflare

- Developed a **responsive full-stack blog platform** in **TypeScript** using **React.js, Tailwind CSS, Prisma, and PostgreSQL** with **connection pooling, featuring post creation, reading, secure authentication, and Cloudinary integration for media management**.
- Enhanced **content generation and scalability** by integrating **Mistral AI for dynamic blog creation/suggestions**, and building a **serverless backend with Cloudflare Workers & Hono** in a **shared monorepo architecture with Zod validation**.

## Technical Skills

**Programming Languages:** C, C++, JavaScript, TypeScript

**Web Technologies:** HTML, CSS, React.js, Next.js, Express.js, Tailwind CSS, Node.js, PostgreSQL, MongoDB, Zustand, NPM

**Tools & Platforms:** Git, GitHub, VS Code, Vercel, Postman, Cloudflare Workers, Prisma, Render

**Computer Science Fundamentals:** Data Structures And Algorithms, OOP, DBMS, Operating System

**Soft Skills:** Leadership, Collaboration, Problem-Solving, Communication, Mentorship

## Education

### Heritage Institute of Technology, Kolkata, West Bengal

Oct 2022– June 2025

B.Tech, Computer Science and Engineering (IOT & CS)

8.08 CGPA

### Vidya Bhawan Balika Vidyapith, Lakhisarai, Bihar

Apr 2020 – Mar 2022

Senior Secondary (CBSE)

92.4 %

## Achievements

- Solved 200+ DSA problems on platforms like LeetCode and GeeksforGeeks, strengthening **problem-solving skills**.
- Open-Source Contributor at **SWoC 5.0**, contributing to collaborative development and **real-world projects**.
- Club Coordinator of Resonance, **the Music Club of HITK**, demonstrating **leadership and team management**.