

Ayush Bansal

📞 8955236226

✉ ayushbansal05dlp@gmail.com

🌐 LinkedIn

🐙 GitHub

Education

National Institute of Technology, Kurukshetra

2023-2027

Bachelor of Technology in Computer Science CGPA: 9.05(upto 3rd sem)

Kurukshetra, Haryana

A.V.M. Convent School - CBSE

2021-2022

Senior Secondary Education - 97.2%

Dholpur, Rajasthan

A.V.M. Convent School - CBSE

2019-2020

Secondary Education - 94.2%

Dholpur, Rajasthan

Projects

Makenote | Next.js, Typescript, Firestore, Cloudflare, Clerk, LiveBlocks, Yjs, Shadcn | [Live Demo](#) | [GitHub Repo](#)

- **Real-Time Collaborative CRDT Editor:** Built a Notion-like editor using Liveblocks, Yjs & BlockNote with **live cursors**, / commands, image uploads, and **real-time multi-user sync** with **role-based access**.
- **AI Features with Cloudflare Workers:** Added **chat with document** & **language translation** features using **AI APIs** on serverless Workers for fast, scalable language processing.
- **Scalable Edge Architecture:** Architected for **low-latency collaboration** with SSR rendering, serverless backend, and persistent **real-time sync** across sessions; supports **collaboration for 10+ users** in real-time.

ChitChat: Real Time Messenger | React.js, DaisyUI, Node.js, MongoDB, Socket.io, JWT, REST API | [Live Demo](#) | [GitHub Repo](#)

- **JWT Authentication:** Secured login/signup with JWT tokens; restricted chat access to **authenticated** users only.
- **Real-Time Messaging:** Enabled instant messaging and **active user indicators** and smooth, live chat interactions.
- **User Search:** Integrated efficient **user search** to connect people instantly within the platform.

TubeLook | React.js, React-Redux, Tailwind CSS | [Live Demo](#) | [GitHub Repo](#)

- **Enhanced Search UX & Performance:** Integrated YouTube APIs for query-based content, suggestions, and recommendations, while implementing **Debouncing** and **Caching** to reduce search latency.
- **Interactive UI with Scalable Components:** Designed **N-level nested** comment threads using recursion, enabling seamless replies and dynamic discussions with clean, reusable UI components.

Key Skills

Programming Languages: C++, Javascript, Typescript, Java, Python

Technologies: Next.js, Node.js, Express.js, MongoDB, React.js, Firestore, Liveblocks, Socket.io, Tailwind, REST API

Developer Tools: Cloudflare, Postman, Git, GitHub, Vercel, Chrome DevTools

CS Fundamentals: Data Structure and Algorithm, Object-Oriented Programming, Operating System, Computer Networks, Database Management System

Soft Skills: Problem Solving, Leadership, Active Listening, Teamwork, Critical Thinking, Collaboration

Achievements

- Solved 700+ DSA-focused coding problems, enhancing problem-solving skills. [Leetcode](#) | [GeeksForGeeks](#)
- **CodeChef** 3-Star Coder with a highest rating of 1693. [Profile](#)
- Secured an impressive **1202nd rank** in the ICPC-aligned coding contest CodeFest '25 Prelims conducted by **IICPC**, competing against top programmers.
- Qualified the Internal Final Round of **Smart India Hackathon**, ranking among top 25 out of 120+ teams.
- **Finalist** at **Hackshetra Hackathon**, organized during the technical fest Techspardha.

Roles and Responsibilities

Organizing Team : Flagship Event - **Innokshetra**

- Coordinated event logistics and ensured smooth team collaboration.

Tech Team: Developed event websites and assisted in organizing workshops and hackathons for **Technobyte**.

- Successfully organized a **GitHub workshop**, attracting **50+ participants** and enhancing developer collaboration.