Aryan Gupta

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github.com/AryanGupta001

Education

VIT Bhopal University, Bhopal, Madhya Pradesh	Aug 2022 – May 2026

- Bachelor of Technology in Computer Science Engineering, **CGPA**: 9.01
- **Coursework:** Data Structures and Algorithms, Computer Networks, Database Management Systems, Operating Systems, Web Technologies

Projects

Collaborative Document Editor	Apr 2025 – June 2025

- Built a web-based editor supporting real-time collaboration, including comments, mentions, and template loading for 15+ active users, leveraging Liveblocks cursor and presence syncing.
- Ensured secure client sessions using authentication and maintained consistent state across users with tRPC and Convex integration.
- **Stack:** Next.js 15, React, Tailwind CSS, Liveblocks, Clerk, tRPC, Convex, Drizzle ORM, TypeScript

Real-Time Messaging Platform	Dec 2024 – Jan 2025

- Developed a MERN chat app using Socket.io, supporting 20+ concurrent clients with <100ms latency.
- Implemented JWT and MongoDB-backed session persistence and chat history storage (upto 100 messages).
- **Stack:** Node.js, Express.js, Socket.io, React, MongoDB, JWT, TypeScript

Authentication System with Email Recovery	May 2024 – June 2024

- Implemented secure signup/login and email recovery flows, using JWT and bcrypt-hashed passwords with Nodemailer for reset links.
- Added Express middleware for token refreshing and encrypted cookie handling; handled 25+ edge cases in integration tests.
- **Stack:** Node.js, Express.js, React, JWT, bcrypt, Nodemailer, MongoDB, TypeScript

Skills Summary

Programming Languages: Java, JavaScript, TypeScript, SQL, Python

Web Technologies & Frameworks: React.js, Next.js, Node.js, Express.js, Tailwind CSS, Zod, REST APIs, WebRtc, Authentication (JWT, Clerk)

Databases & Data Handling: MongoDB, MySQL, PostgreSQL

Developer Tools: Git, GitHub, VS Code, Chrome DevTools

Soft Skills: Team collaboration, effective communication, adaptability

Achievements

- **Overall Winner** and **Track Winner – Women Safety** at Hack for India: AI Agents Transforming Lives, organized by HackerEarth & aiXplain — competed among 6,382+ participants and awarded **$1000**.
- Completed Hacktoberfest 2024 by contributing to 5+ open-source repositories on GitHub; merged 5+ pull requests in collaborative projects.
- Solved **250+ DSA** problems on LeetCode, strengthening algorithmic thinking and coding proficiency.

Certifications

- DevOps Fundamentals (CEDEV1IN) – IBM Career Education Program via Cognitive Class
- Agile Methodologies (CEAGL1IN) – IBM Career Education Program via Cognitive Class
- Silver Medal Certificate (Top 2% among 23,872 students) - Cloud Computing, NPTEL