

Abhijeet Kumar

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Portfolio

Professional Summary

A highly motivated **MERN Stack Developer** with strong proficiency in **Data Structures and Algorithms (DSA)** and hands-on experience in building scalable and high-performance web applications. Skilled in both **frontend** as well as **backend** development, with a solid command over modern technologies and best practices. Hands-on experience in **system design** and scalable architecture. Passionate about writing clean, maintainable, and optimized code, solving complex problems efficiently, and delivering robust, user-focused solutions that create real impact.

Technical Skills

- **Languages:** JavaScript, TypeScript, C++, C, Java, Python, HTML5, CSS3
- **Frontend:** React.js, Next.js, Tailwind CSS, ShadCN/UI, Zustand
- **Backend:** Node.js, Express.js, MongoDB, Redis, SQL
- **Auth & Security:** JWT, bcrypt.js, Express Rate Limiting, Firebase Auth
- **DevOps & Cloud:** Docker, AWS (EC2, S3), CI/CD Pipelines, Linux
- **Tools:** Git, GitHub, WebSockets, Cloudinary, dotenv, Postman

Education

Master of Computer Application (CGPA: 8.8/10) Graphic Era University, Dehradun	2024 – 2026
Bachelor of Computer Application (CGPA: 8.0/10) Babasaheb Bhimrao Ambedkar Bihar University (BRABU)	2021 – 2024

Projects

NoteHub – Collaborative Editor (2025)	Stack: MERN
<ul style="list-style-type: none">• Designed for students to write, share, and explore academic notes collaboratively — similar to GitHub but for study notes.• Built a LaTeX/Markdown-powered editor with smart auto-formatting, syntax detection, and a VS Code-inspired UI for an intuitive writing experience.• Live Link: https://notehub-38kp.onrender.com	
GEU ERP – Mod Version (2025)	Stack: Next.js, TypeScript
<ul style="list-style-type: none">• Re-engineered the GEU ERP into a high-performance student portal with smart caching, priority loading, and secure session workflows.• Delivered a mobile-first Single Page Application (SPA) with 3× faster navigation, improved API communication, and optimized session/token management for a seamless user experience.• Live Link: geu-quick-access.vercel.app	
Chess Engine (2024)	Stack: C++, Algorithms/DSA
<ul style="list-style-type: none">• Developed a chess engine with an estimated playing strength of 2350 Elo, implementing bitboards, alpha-beta pruning, and advanced search heuristics.• Capable of analysing 190+ millions of possible moves within 3-4 seconds, allowing it to plan multiple turns ahead - making it extremely challenging for casual players to defeat.• Live Link: https://chessleague.netlify.app	

Achievements

- Solved **750+ DSA problems** on GFG and LeetCode, and built **15+ projects** in Web Development and DSA.
- Ranked among the **top 4.2%** of LeetCode (2023).

Hobbies and Interests

- Playing chess to improve strategic thinking, patience, and decision-making skills.
- Exploring UI/UX design to create clean, user-friendly, and visually appealing digital experiences.