

# Abhijeet Kumar

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<https://github.com/abhijeetsinghrajput>    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. 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, SQL
- **Auth & Security:** JWT, bcrypt.js, Express Rate Limiting, Firebase Auth
- **Tools:** Git, GitHub, WebSockets, Cloudinary, dotenv, Postman

## Education

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

## Projects

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

## 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.