

RAJ KUMAR

Delhi, India

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Professional Summary

Computer Applications student with hands-on experience in full-stack web development and building responsive applications. Proficient in JavaScript, React.js, Node.js, and MongoDB with a focus on creating user-centric interfaces. Passionate about learning new technologies and solving real-world problems through clean, maintainable code. Quick learner with strong problem-solving skills, seeking internship opportunities to contribute to impactful projects.

Education

Bachelor of Computer Applications (BCA)

Jan 2023 – Aug 2026

Maharishi Dayanand University(Rohtak)

Expected Graduation: Aug 2026

- Relevant Coursework: Data Structures, DBMS, Computer Networks, Operating Systems, Web Development, Software Engineering

Senior Secondary Education (CBSE)

Jun 2021 – May 2023

Government Boys' Senior Secondary School, Delhi

Grade: 77.6%

Technical Skills

Frontend: HTML5, CSS3, JavaScript (ES6+), React.js, Tailwind CSS, Responsive Design, UI/UX Fundamentals

Backend & Databases: Node.js, Express.js, MongoDB, SQL, REST API Development, CRUD Operations

Programming Languages: JavaScript, C++

Tools & Platforms: Git, GitHub, VS Code, Browser DevTools, Linux, npm, Postman

Languages: English (Fluent), Hindi (Native)

Projects

Creator Resource Access Platform (Backend-Focused Full Stack) | *Node.js, Express.js, MongoDB, JWT, React* [Live](#)

- Designed and implemented secure backend for gated content access based on user follow relationships and time-locked unlock rules
- Built JWT authentication with HTTP-only cookies and refresh token rotation for secure session management
- Implemented follow/unfollow logic with enforced 30-day lock-in period before access is granted to protected resources
- Developed access control middleware to prevent unauthorized downloads and enforce creator permissions
- Integrated cloud storage (Cloudinary) for secure PDF/ZIP file storage and controlled delivery
- Modeled relational data using MongoDB (Users, Files, Follows, Action Logs) to support scalable access control
- Designed REST APIs for authentication, file upload, follow status checks, and gated file downloads
- Frontend integration in progress using React and shaden/ui to visualize authentication and locked/unlocked resources

Notes App (MERN Stack) | *React, Vite, Node.js, Express.js, MongoDB*

[Live Demo](#)

- Engineered a full-stack note-taking application implementing complete CRUD functionality for creating, reading, updating, and deleting notes with a clean, intuitive user interface
- Architected RESTful API using Node.js and Express.js with MongoDB database integration, handling seamless data persistence and efficient query operations for real-time note management
- Developed responsive React frontend using Vite build tool with component-based architecture, enabling smooth user interactions and dynamic content rendering across all device sizes
- Deployed full-stack application on Render with optimized build configuration, demonstrating end-to-end development skills from database design to production deployment

Car Hailing Platform | *HTML5, CSS3, JavaScript*

[Live Demo](#)

- Built fully responsive car booking platform with interactive UI and real-time form validation using vanilla JavaScript
- Engineered dynamic content rendering and smooth animations, optimized for cross-browser compatibility and mobile-first design

Additional Information

Development Environment: Proficient in developing, operating, and debugging on Linux systems

Currently Learning: Advanced React patterns, backend API integration, database optimization, and cloud deployment

Interests: Building user-centric web applications, exploring modern web technologies, and open-source contribution