

# RAJ KUMAR

Delhi, India

 +91-9310532830  [webman.raj@gmail.com](mailto:webman.raj@gmail.com)  [rajcodes0](#)  [rajkumar](#)  [Portfolio](#)

## 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 Demo](#)

- 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 shadcn/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