

## Raj Agarwal

📍 Lucknow, UP, India | ✉️ [rajagarwalgood@gmail.com](mailto:rajagarwalgood@gmail.com) | 📞 +91-6388056219 | 💼 **LinkedIn:** <https://www.linkedin.com/in/raj-agarwal-584336222/> | 💻 **GitHub:** <https://github.com/Raj2902>

Highly motivated Software Engineer with strong fundamentals in **Data Structures, Algorithms, and Object-Oriented Programming**. Skilled in full-stack web development using **HTML, CSS, Tailwind, MUI, Shadcn, JavaScript, Git, Github, Postman TypeScript, React, Nextjs, Redux, rxjs, Nodejs, Express, MongoDB, MySQL, PostgreSQL** and **Angular, Tanstack** with a keen interest in scalable systems and performance optimization. Passionate about building impactful projects and continuously improving technical expertise.

### TECHNICAL SKILLS

**Languages:** Java, JavaScript (ES6+), TypeScript, HTML5, CSS3

**Frameworks & Libraries:** Angular 19, React, Node.js, Express.js, Tailwind, Redux, Rxjs, Tanstack, Shadcn and MUI.

**Databases:** MySQL, MongoDB, PostgreSQL

**Tools & Platforms:** Git, GitHub, VS Code, Postman

**Core Competencies:** DSA, OOP, REST APIs, Responsive UI Design

### COMPANY/PROFESSIONAL PROJECTS

1. **To&From Admin Panel** : [Website](#)

2. **Education Planner**: [Website](#)

3. **Remote State** : [Website](#)

### ACADEMIC/PERSONAL PROJECTS

1. [Todo App](#) : A todo app a full fledged full stack app, stack used MERN ,mongodb for database, express for the server and api validation and making of apis, react frontend library, nodejs for backend. You can create, read, update and delete your tasks, tasks will be listed on the frontend in tabular format. Separate users have separate tasks, implemented login and register functionality using the JWT Token, encrypt and decrypt the password using bcrypt.

2. [Developed Youtube Inspired Platform](#) : Built a YouTube clone using the MERN stack, incorporating features like video uploads, user authentication, and a responsive UI. I implemented secure user registration and login using JSON Web Tokens (JWT) for managing authentication and sessions. I developed a video management system that enables users to upload videos with titles, descriptions, and thumbnails, along with a seamless video player for playback. User interactions such as likes, comments, and shares were added to boost engagement. Additionally, I created a subscription system for following channels, a search function for videos, and a personalized recommendation system to enhance video discovery based on user preferences.

3. [Developed APIs with Node.js and Express.js for ShoppyGlobe](#) : Extended the ShoppyGlobe e commerce platform by developing a backend using Node.js and Express.js to handle data storage, user authentication, and API endpoints. I utilized MongoDB for efficient data storage and retrieval, ensuring smooth interaction between the front end and back end. I developed RESTful API endpoints for key functionalities like product listing, user registration, authentication, and shopping cart management. Token-based authentication using JSON Web Tokens (JWT) was implemented to enhance security and user session management. My focus was on building a scalable, secure, and high-performance backend that integrates seamlessly with the frontend

4. [ShoppYGlobe E-commerce Application](#) Developed ShoppYGlobe, a fully operational e-commerce platform, allowing users to explore products, manage a shopping cart, and complete transactions. I built a responsive, user-friendly interface using React and React Router, ensuring smooth navigation across pages. Redux was used for efficient cart and state management, enabling seamless updates during the shopping process. I integrated an API to dynamically fetch product data, providing real-time updates and improving performance. The app was optimized for performance and responsiveness across devices, focusing on delivering a fast and engaging shopping experience.
5. [Blog Website](#) : This Website basically shows my skills in HTML, CSS and Javascript prepared the skeleton of the page, added styles using css and added interactivity using javascript, the design is my own creation and haven't used any figma designs, my main moto was not the look but a platform where I can showcase my skills and progress that i have made in my skills throughout my career. My main moto was to show the implementation of my coding skills through functionalities and design responsiveness and css used, I can make the frontend look as you want if i have a design with me.
6. [Weather App](#) : A weather forecast and current weather app where you can get the weather using your, current location, city or directly by choosing it from the below map, any choice you make will mark the coordinates of that place of the map, i am using open weather map api, api provided the current weather and five day weather forecast of a city, implemented history functionality for all the searches that you have made so far, its getting stored in the localStorage, you can search the city directly too using the search bar provided
7. [Data Visual](#) : Made a visual dashboard using chart.js, this was basically an assignment from black coffer company to show json data in form of interactive charts in react that have changing x and y axis through selection it from the options listed as dropdown. This project showcases my knowledge in react, the use of components, chart.js, use of props, routes and much more. Frontend library used React.
8. [Student registration](#) : I have made this project to showcase my skill in javascript, looks was not my main goal, this project makes use of the local Storage, proving my knowledge on the used of local storage, implemented the crud functionality long thing short basically you can create, read, update and delete the user that you have registered through the form again showing my knowledge and working with forms, you can view the change in the total users registered in a tabular format, showcasing my knowledge in DOM Manupilation, implemented the form validation too for blank fields and validating email.
9. [Portfolio](#) : The project is my portfolio itself, basically made this project to showcase all skills, work and experience in one place, added certificates, carousel, graph to indicate my knowledge in each skill, its fully responsive used media queries provided by css for different screen sizes.

## EXPERIENCE

### 1. **Software Engineer - Remote State, Noida (Dec 2024 - Present)**

Software Developer Engineer, developing and maintaining front-end applications using Angular, React, Nextjs, Tailwind, Redux, TypeScript, Tanstack and RxJS. Proficient in HTML, CSS, and possess a strong understanding of software development principles.

### 2. **Process Associate – HCL, Lucknow (Apr 2024 - Oct 2024)**

Worked on medical denials such as 252, 197, etc., to settle claims for the client named APRIA. Work included using HCL's own software, Acis, which shows the details of customers that have

insurance with APRIA. Apria basically provides medical equipment to patients living in America at their homes. We were essentially like money collectors from the insurance companies. We needed to look into the issues with the insurance companies, making virtual contact via calls and emails. It was a target-based job. We used to provide details to the insurance companies, such as medical records or any other information they needed of the patient, as the DME provider information. We used to provide them with that information to clear out the payments they had on hold.

### **3. Web Developer - Pamsar Technologies, Lucknow (Feb 2022 - Jun 2023)**

Full-Stack MERN Developer with 2+ years of experience in developing and maintaining web applications. Expertise in front-end technologies such as React, HTML, CSS, and JavaScript (including TypeScript). Strong backend development skills with Node.js, Express.js, and MongoDB. Proven ability to design, develop, and deploy scalable and maintainable applications.

## **EDUCATION**

**Bachelor of Computer Applications (BCA)**, Shri Ramswaroop Memorial University (SRMU Lucknow) (2020 – 2023)

**Internshala Full Stack Web Development Course** (9 months. MERN)

## **ACHIEVEMENTS**

- Got a certificate of appreciation from Pamsar Technologies.
- Certificate of completion of 300 hours of Javascript learning from freecodecamp
- Various other certificates on technologies other than from internshala such as git, react, typescript, html ,css and javascript,Angular