

PRATEEK RAJ

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Work Experience

Internshala

Oct 2023 – Present

Associate Software Developer

Gurgaon, Haryana, India

- Implemented **RabbitMQ for email batching**, enabling asynchronous email processing, reducing server load, and improving email delivery efficiency by **30%**.
- Migrated legacy PHP pages to Next.js**, improving site performance by **15%**, reducing bugs by **21%**, and lowering maintenance time by **18%**.
- Developed a **WebSocket-based live chat system** for **IS Clubs** during YouTube events, which handles **1000+ users** simultaneously and ensures no delay in messaging.
- Refactored existing code** by removing redundant logic and breaking it into smaller, maintainable chunks, improving readability and maintainability.
- Integrated Paynimo as a payment option** for domestic users, reducing dependency on a single payment provider and enhancing payment reliability.
- Introduced **multi-search functionality using Elasticsearch**, enabling simultaneous query fetching instead of sequential processing, which improved query speed by **28%** compared to database queries.

Wabi Tech

Oct 2021 – Dec 2021

Software Developer Intern

Remote

- Conducted manual testing to identify and resolve critical bugs, ensuring a smoother user experience.
- During my tenure, I identified **1 major bug and 4 minor bugs** which, upon resolution, decreased the user drop rate by **10%**.
- Developed and optimized multiple features for the mobile app, improving user experience and overall app responsiveness.

Projects

Anime-watcher | *Next.js, Node.js, JWT Web-token, Mongo Db, Tailwind* | 🌐 | 📄

- An anime streaming platform with features like episode streaming, login and signup functionality, and custom video player.
- Built using **Next.js** with **JWT authentication**, integrating **MongoDB** for user data storage. Tailwind CSS was used for styling.
- Used **Axios** for API data fetching, and Next.js app directory structure for **server-side rendering** and routing.

Chatme | *React.js, Tailwind, Express.js, Socket.io, Axios, MongoDB, JWT* | 🌐 | 📄

- Implemented **JWT-based authentication** for secure login and signup, ensuring authorized access.
- Enabled **real-time one-on-one messaging** using **Socket.io**, allowing instant communication between users.
- Utilized **MongoDB** for storing user credentials, messages, and chat history efficiently.
- Implemented **middleware for authorization**, preventing unauthorized access to protected routes.

Technical Skills

Programming Languages: Python, JavaScript, TypeScript, PHP

Frontend Technologies: HTML, CSS, jQuery, React.js, Next.js, Tailwind

Backend Technologies: Node.js, MySQL, MongoDB, Elasticsearch, CodeIgniter

Tools and Version Control: Git, GitHub, Docker

Operating Systems: Windows, Linux

Profile Links

• [Codechef](#) • [Hackerrank](#) • [Leetcode](#) • [Github](#)

Achievements

- Ranked **1st in June Long One 2022 (Division 4) on CodeChef**.
- Achieved a **4** rating on CodeChef with a highest rating of **1991**.
- Secured **top positions in various coding challenges and hackathons**, including HackerEarth and Codeforces.
- Solved over **300+** problems on LeetCode, enhancing problem-solving skills.

Education

Sitamarhi Institute Of Technology

August 2019 - Sep 2023

Bachelor of Technology in Computer Science & Engineering (CGPA of 8.24)

Bihar, India