

# Ritu Raj

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## EDUCATION

**Malaviya National Institute of Technology (MNIT)**  
*Bachelor of Technology in Civil Engineering*

Jaipur, India  
July 2019 – May 2023

## EXPERIENCE

### Senior Frontend Engineer (Associate)

*Bain & Company*

October 2025 – Present

Gurgaon

- Built scalable, high-performance frontend features for Bain's internal analytics platforms using React, JavaScript, Ag-Grid, Redux, and modular UI systems, improving data visualization rendering speeds by 15%.
- Optimized application state flows using Redux and React Query, reducing redundant API calls and improving responsiveness by 10%.
- Mentored junior developers and conducted comprehensive code reviews, establishing strict coding standards that reduced production bugs by 15%.
- Collaborated with product managers and consultants to translate complex business requirements into intuitive UI components, ensuring seamless user experiences for high-stakes client deliverables.

### Frontend Software Engineer (Analyst)

*Deloitte USI*

September 2023 – October 2025

Gurgaon

- Engineered high-performance web applications using React, Redux, and Tailwind CSS, improving load times by 10%.
- Enhanced code quality by resolving 100+ UI bugs and increasing test coverage by 40% using Jest, while ensuring all client applications met WCAG 2.1 accessibility compliance standards.
- Integrated RESTful APIs to deliver dynamic content, reducing API latency by 30%, which led to a 15% improvement in user engagement.
- Accelerated development cycles by 20% through Agile processes and pair programming, working closely with designers in Figma to bridge the gap between wireframes and functional interfaces.

## PERSONAL PROJECTS

### PropertyPulse | *Next.js, JavaScript, Tailwind CSS, Next-auth, MongoDB, Geocoding API* | [link](#)

- Developed a rental property discovery platform using Next.js, MongoDB, and Next-auth, enabling seamless property search and authentication.
- Integrated Mapbox for geolocation, Cloudinary for image storage, and React-share for social media sharing, enhancing user engagement.
- Implemented real-time messaging, notifications, and property bookmarking, improving the overall user experience.

## TECHNICAL SKILLS

**Frontend Technologies:** JavaScript (ES6+), TypeScript, Next.js, React, Redux, Zustand, React-Query, HTML5, CSS3, Bootstrap, Tailwind CSS, MUI, SASS

**Backend Technologies:** Node.js, Express.js, MongoDB, Authentication, Socket.io

**Testing Frameworks:** Jest, Cypress

**APIs:** RESTful, GraphQL

**Tools & Version Control:** Git, GitHub, Bitbucket, Firebase Authentication, Jira, Figma, Adobe XD

**Build Tools:** Webpack, Vite

**Collaboration:** Agile methodologies, Code reviews, Pair Programming, Mentoring

**Programming Languages:** C++, Python

**Others:** Data Structures, Algorithms, Problem-Solving, OOPs, OS, DBMS, System Design

## ACHIEVEMENTS

- Qualified JEE Mains and stood in the top 2 percent of students amongst 1.2 million candidates.
- Received the Applause Award for outstanding performance in the team at Deloitte.
- Secured rank 1192 out of 20k participants in LeetCode Biweekly Contest 87.
- Secured Maximum Rating 1755 on LeetCode.