

# PRIYANSHU SAINI

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## Education

<b>Modern institute of technology and research center, Rajasthan</b> <i>Bachelor of Science in Computer Science</i>	<b>Aug. 2020 – June 2024</b> <i>Alwar, Rajasthan</i>
<b>Achiver's Academy, Rajasthan</b> <i>12th class</i>	<b>July. 2019 – June 2020</b> <i>Alwar, Rajasthan</i>

## Experience

<b>Scrum Labs Pvt Ltd.</b> <i>software developer intern</i>	<b>June 2025 – Nov 2025</b>
<ul style="list-style-type: none"><li>Contributed to both front-end and back-end development tasks as part of multiple web-based projects.</li><li>Developed and integrated back-end APIs, databases, and server-side logic to support dynamic application functionality.</li><li>Collaborated with senior developers on project development, participating in code reviews and managing code versions using Git.</li></ul>	

## Projects

### Real-Time User Matcher | *Node.js ,Express.js ,Redis ,socket ,Nginx*

- \* Real-time Anonymous Chat Matching, Efficiently pairs users in real time using WebSocket connections, enabling instant and anonymous chat sessions.
- \* Fast and Scalable Queue Handling, Utilizes Redis to maintain a live queue of users, ensuring smooth pairing logic and fast response even under high load.
- \* Automatic Disconnection Recovery, Implements logic to detect disconnections and re-add users to the queue seamlessly, improving user retention and experience.
- \* Scalable Multi-Instance Deployment, Configured with PM2 and Redis for horizontally scalable architecture, enabling high availability in production environments.

### Blog Application — Backend Project | *Java, Spring Boot, JPA, MySQL, Hibernate*

- \* Designed and developed a scalable blog application using Java and Spring Boot, focusing on RESTful API architecture.
- \* Designed and developed REST APIs for CRUD operations on blogs, comments, and users, ensuring seamless user interaction.
- \* Optimized database queries using JPA and Hibernate, improving the performance and scalability of the application.
- \* Wrote clean, maintainable code following best practices, with a strong focus on Spring Security and JPA for secure data management.
- \* Managed relational database operations using MySQL and Hibernate for efficient data storage and retrieval.

### CI/CD Pipeline for a Node.js REST API | *Node.js ,Express ,GitHub ,Docker ,GitHub Actions, Jest*

- \* Developed a modular and scalable REST API using Node.js and Express, implementing best practices in backend development.
- \* Containerized the application with Docker and automated the CI/CD workflow using GitHub Actions for seamless testing and deployment.
- \* Integrated Jest for automated unit testing, ensuring code reliability and maintaining high-quality standards throughout development.

## Technical Skills

**Programming Languages:** Java, C, C++, HTML , CSS, JavaScript, SQL

**Technology/Frameworks:** Springboot, React.js, Node.js, Express.js ,MongoDB, Docker, kubernetes

**Developer Tools:** VS Code, Eclipse, GitHub, IntelliJ

## Certificates & Achievements

- \* Earned a Java certification on HackerRank, demonstrating advanced Java programming and problem-solving skills.
- \* Achieved 3rd place in a college coding competition, highlighting strong programming abilities and competitive problem-solving skills.
- \* Received a Certificate of Appreciation in Sanskritik Hindi during high school for outstanding performance.