# Rudra Mahajan

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## EDUCATION

**Medicaps University**                                                                                                        **Indore, India**
**B. Tech**, Computer Science, GPA 3.51/4.0                                                                 May 2023
**Coursework:** Computer Networks**,** Design & Analysis of Algorithms**,** OOPS, DBMS

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## TECHNICAL SKILLS

- **Web Development:** HTML, CSS, JavaScript, React Js, React Native, Node.js, Express.js
- **Version Control & Collaboration:** Git, GitHub, Bitbucket
- **Database Management:** SQL, Postgres, Redis
- **DevOps & Containerization:** Docker

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## WORK EXPERIENCE

**Gammastack**                                                                                                                 **Indore, India**
**Solution Engineer**                                                                                                    Jan 2023 – Present

- Optimized the performance of sports betting and casino gaming applications by implementing advanced React best practices and performance optimization techniques, resulting in a 35% improvement in frontend speed and a 20% reduction in operational costs.
- Collaborated with cross-functional teams and third-party casino providers to seamlessly onboard and integrate over 50 casino games, enhancing platform functionality and driving a 25% increase in user engagement across the system.
- Designed and maintained scalable full-stack solutions for live projects with 10,000+ active users, utilizing robust monitoring systems to achieve 99.9% uptime and proactively reducing system downtime by 15%, ensuring reliable performance and seamless user experiences.

## PROJECT EXPERIENCE

**Dino**

- Integrated, configured, and tested third-party casino providers into the system, ensuring seamless workflows and smooth functionality, while reducing integration downtime by 25% and enhancing user experience.
  Optimized frontend performance by resolving challenges caused by real-time sports updates, utilizing React hooks, Redux, component lifecycle management, and code splitting to improve performance by 30% and reduce amplifier costs significantly.
- Developed and maintained responsive UI components using HTML5, CSS3, and JavaScript (ES6), providing support for a live project with a growing user base of 5,000+, ensuring cross-browser compatibility, stable operations, and scalability.

**Bitsky Bet**

- Developed and integrated a real-time chat system for admin-player interactions, incorporating advanced features like emojis, GIFs, typing indicators, and file attachments, improving communication efficiency and user engagement by 20%.
- Designed and implemented complex, responsive user interfaces with smooth animations using Framer Motion and React libraries, enhancing user experience and driving a noticeable increase in retention rates.
- Implemented and optimized various bonus types, including rakeback, daily, and weekly bonuses, utilizing state management tools like Redux and ensuring seamless frontend integration, usability, and performance improvements by 30%.

**Live Tictactoe Game**

- This personal project is a live multiplayer Tic-Tac-Toe game, allowing two players to compete in real time. It features fast response times for game moves, achieved through the integration of Redis for caching and WebSocket for seamless communication.
- If the game is interupted in between it will be over as not to provider any unfair advantage for anyone.