Raj Trivedi

rstrivedi2@wisc.edu| #610, 216 S Pinckney St, Madison, WI, 53703 | (608)-590-9550

SUMMARY

Results-driven Computer Science and Data Science student from the University of Wisconsin–Madison, specializing in end-to-end software solutions. Extensive experience in full-stack development, real-time data integration, and technology support. Skilled in creating intuitive, responsive interfaces and ensuring seamless backend performance. Proficiency in React, Docker, Java, Python, and R. Emphasis on data-driven insights and collaborative problem-solving to deliver user-focused innovations.

EDUCATION

University of Wisconsin-Madison   **Madison, WI**
B.S. Computer Science and Data Science   *May 2026*
- Coursework: Programming (Java), Data Modelling (R Programming), Data Programming (Python), Intro to Comp Engineering, Intro to UI(Web Dev), Machine Organization and programming, Database Management Systems(ongoing), Matrix Methods in ML, DS Computing Projects.

WORK EXPERIENCE

UW Madison – Library IT Help Desk Technician 2   **Madison, WI**
Jan 2024 – Present
- Streamlined technology support and troubleshooting, enhancing user experience for library patrons. Managed device circulation (laptops, cameras), improving accessibility and efficiency.
- Collaborated with staff to enhance study room technologies and equipment checkout. Demonstrated independence in task management, boosting operational efficiency and service reliability.

Attri.ai   **Remote, Austin, TX**
Full stack developer Intern   *Jun 2024 – present*
- Built intuitive, responsive UIs in collaboration with the team, boosting client satisfaction and user engagement through iterative design.
- Implemented real-time data integration from backend APIs, delivering seamless, dynamic experiences.
- Streamlined design workflows with Figma, leveraged Docker for consistent deployments, and studied the company codebase for optimized processes.
- Learned React JS under industry mentorship, tackling design strategies and code challenges to strengthen front-end proficiency.
- Utilized various React and CSS libraries to create modern, consistent UI components for polished user experiences.
- Contributed to backend tasks (queues, HTTP APIs, databases) to ensure reliable, scalable performance and deepen full-stack expertise.

PROJECTS

Course Search AI(ongoing)   *Dec 2024*
Developed and integrated a specialized ChatGPT-based system for searching UW–Madison courses. This project leveraged advanced natural language processing, real-time data retrieval, and custom user-friendly interfaces to streamline course selection. The system improved search accuracy by analyzing course attributes, prerequisites, and scheduling details, ultimately enhancing students' planning and registration experiences. Throughout development, user feedback guided iterative improvements.

BadgerChat   *Oct 2024*
A React Native and Expo for real-time chat functionality. It lets users register or log in with secure, token-based authentication, post and delete messages, and switch between chatrooms. The app features intuitive navigation, uses expo-secure-store for token storage, and includes a guest mode for read-only access, showcasing robust mobile development concepts.

ADDITIONAL

Languages: Java, Python, R, HTML, CSS, JavaScript, C
Frameworks/Technologies: React, NestJS, React Native, Typescript, TailwindCSS
Tools: Git, Figma, Docker, VS Code, emacs, linux