MRINAL SHARMA

Notre Dame , Indiana 46556

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EDUCATION

University of Notre Dame   *Notre Dame. IN*
M.S. in Computer Science & Engineering   *Expected May 2026*

PROFESSIONAL EXPERIENCE

RecruitMate   Notre Dame, IN
Software Engineering Intern   *August 2024 - Present*

· Developed and tested scalable React components for a web platform, optimizing user interfaces and data display, demonstrating expertise in web development and contributing to the software development lifecycle.
· Utilized Git for version control and participated in code reviews, fostering a collaborative development environment.
· Troubleshot and resolved technical issues related to API integration and database performance, demonstrating strong problem-solving and debugging skills.

The University of Notre Dame
Teaching Assistant   *August 2024 - Present*

· Guided students in mastering data structures and algorithms in Java, reinforcing a solid understanding of fundamental computer science concepts and problem-solving abilities.
· Facilitated collaborative problem-solving sessions and provided constructive feedback, enhancing students' understanding of software development principles and teamwork.

PROJECTS

Carshare - Peer-to-Peer Car Rental Platform
Developer

· Developed a full-stack peer-to-peer car rental platform utilizing React, TypeScript, Tailwind CSS, Prisma, PostgreSQL, and Node.js, emphasizing a performant and intuitive user interface.
· Designed and implemented a RESTful API using Node.js and Prisma for seamless frontend-backend communication and scalable data management.
· Utilized Prisma ORM to interact with the PostgreSQL database, ensuring efficient and type-safe data management for car listings, user profiles, and rental agreements.

Beanbag Scoring Application (Lucy Civic Innovation Lab)   Notre Dame, IN
Team Lead   *August 2024 - Present*

· Developed a real-time data scoring and visualization platform using React, Node.js, and MongoDB, featuring interactive dashboards and Socket.IO for live updates, focusing on UI/UX.
· Implemented RESTful APIs and utilized Axios for efficient data exchange, ensuring seamless communication between frontend and backend components.

Video Platform Template
Lead Developer   *2024*

· Developed a full-stack video platform using React, Node.js, and MongoDB, featuring video uploading, playback, and user authentication. Implemented RESTful APIs for efficient data management and retrieval.

TECHNICAL SKILLS

Programming Languages	JavaScript, Java
Libraries	React, Node.js, Express.js, TypeScript, HTML, CSS, Tailwind CSS, UI/UX Design Principles
Database Knowledge	PostgreSQL, MongoDB
Tools	Git, Docker, Postman