

# MRINAL SHARMA

Notre Dame , Indiana 46556

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## EDUCATION

### University of Notre Dame

M.S. in Computer Science & Engineering

Notre Dame, IN

Expected May 2026

### Vellore Institute of Technology, Vellore

B.Tech in Computer Science & Engineering

Minor in Information Security

India

May 2024

## PROFESSIONAL EXPERIENCE

### RecruitMate

Software Engineer

Notre Dame, IN

August 2024 - Present

- Developed and tested scalable React components for the web platform, contributing to a 30% improvement in page load times and ensuring seamless integration with backend services.
- Implemented features throughout the software development lifecycle, from design to production release, demonstrating a strong understanding of full-stack development.
- Utilized MongoDB to store and manage application data, designing and implementing data models to optimize performance and scalability, along with utilizing Git for version control and participating in code reviews to ensure high code quality.

### The University of Notre Dame

Teaching Assistant

August 2024 - Present

- Assisted students in mastering Java programming fundamentals and debugging techniques, fostering a deep understanding of software engineering concepts and best practices.
- Provided detailed code reviews and constructive feedback, ensuring adherence to coding standards and promoting efficient debugging and problem-solving skills.
- Graded student submitted test cases, and provided feedback on logical errors, and edge case coverage.

## PROJECTS

### Beanbag Scoring Application(CS4GOOD)

Team Lead

Notre Dame, IN

August 2024 - Present

- Developing a scalable real-time scoring platform using React and Node.js, implementing RESTful APIs for seamless data exchange and integration.
- Designed and implemented data models in MongoDB, optimizing database performance and ensuring data consistency across the application.
- Conducted code reviews, mentored team members, and created detailed technical documentation, fostering a collaborative and efficient development environment.

### Supply Chain Management System

Team Lead

January 2024 - May 2024

- Developed a decentralized supply chain platform utilizing Solidity smart contracts and a ReactJS frontend, and created basic test cases. Implemented basic cloud server deployment for the front end.
- Ensured transparency and security in all transactions, delivering a user-friendly UI for individuals unfamiliar with blockchain technology.

## TECHNICAL SKILLS

### Languages

Java, Python, JavaScript, Typescript

### Web Technologies

React, Node.js, HTML, CSS, REST APIs, Tailwind

### Databases

MongoDB, MySQL

### Cloud

Basic experience with AWS

### Developer Tools

Git, Docker, Chrome DevTools, Postman