

# NAVEEN SHARMA

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[GitHub](#)

[Portfolio](#)

## Summary

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Pre-final year B.Tech Computer Science (Data Science) student at Kazi Nazrul University, specializing in building real-time, data-intensive web applications. Proficient in the **MERN Stack, MySQL, and Socket.io**, with a portfolio focused on scalable backend architecture and collaborative dashboards. Gained practical data modeling experience through the **Deloitte Data Analytics Virtual Internship**. Seeking a Software Engineering internship to leverage technical expertise in full-stack development.

## Education

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**Kazi Nazrul University** | CGPA – 8.20

Asansol, West Bengal Sep 2023 –

*B.Tech in Computer Science and Engineering (Data Science)*

*Present*

Data Structures & Algorithms (C++), DBMS, OOP, Data Mining, Software Engineering.

## PROJECTS & RELEVANT EXPERIENCE

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**Automated Data Collection & Monitoring Platform** |

Oct 2025 – Dec 2025

*Node.js, MySQL, Redis, REST APIs*

- Engineered an automated system using **Node.js** and **MySQL** to schedule, scrape, and validate data from multiple external APIs.
- Implemented **Redis** for efficient job queuing and **WebSockets** to broadcast real-time alerts for data collection failures.
- Designed a structured MySQL schema to ensure data consistency during high-load scraping.

**Real-Time Collaborative Data Dashboard** |

Aug 2025 – Oct 2025

*React, TypeScript, Socket.io, MySQL*

- Developed a live analytics platform allowing multiple users to visualize and filter datasets simultaneously using **Socket.io**.
- Optimized system performance by implementing **Node.js streams** to parse large CSV/Excel uploads without server lag.
- Secured user access using **Google OAuth 2.0** and **JWT** with refresh tokens for safe sessions.

**Deloitte Data Analytics Virtual Internship** | *Forage*

May 2024

- Utilized **Tableau** and **Excel** to visualize customer demographics, identify data anomalies, and model business strategies.

## TECHNICAL SKILLS

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- Languages & Databases:** C++, JavaScript (ES6+), TypeScript, SQL, Python, MySQL, MongoDB, Redis
- Libraries & Frameworks:** React.js, Express.js, Socket.io, Tailwind CSS, Mongoose
- Tools & Analytics:** Git, GitHub, Postman, Tableau, Excel, Data Modeling