

# 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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<b>Kazi Nazrul University</b>   CGPA – 8.20 <i>B.Tech in Computer Science and Engineering (Data Science)</i>	Asansol, West Bengal Sep 2023 – Present
Data Structures & Algorithms (C++), DBMS, OOP, Data Mining, Software Engineering.	

## PROJECTS & RELEVANT EXPERIENCE

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<b>Automated Data Collection &amp; Monitoring Platform</b>   <i>Node.js, MySQL, Redis, REST APIs</i>	Oct 2025 – Dec 2025
<ul style="list-style-type: none"><li>Engineered an automated system using <b>Node.js</b> and <b>MySQL</b> to schedule, scrape, and validate data from multiple external APIs.</li><li>Implemented <b>Redis</b> for efficient job queuing and <b>WebSockets</b> to broadcast real-time alerts for data collection failures.</li><li>Designed a structured MySQL schema to ensure data consistency during high-load scraping.</li></ul>	
<b>Real-Time Collaborative Data Dashboard</b>   <i>React, TypeScript, Socket.io, MySQL</i>	Aug 2025 – Oct 2025
<ul style="list-style-type: none"><li>Developed a live analytics platform allowing multiple users to visualize and filter datasets simultaneously using <b>Socket.io</b>.</li><li>Optimized system performance by implementing <b>Node.js streams</b> to parse large CSV/Excel uploads without server lag.</li><li>Secured user access using <b>Google OAuth 2.0</b> and <b>JWT</b> with refresh tokens for safe sessions.</li></ul>	
<b>Deloitte Data Analytics Virtual Internship</b>   <i>Forage</i>	May 2024
<ul style="list-style-type: none"><li>Utilized <b>Tableau</b> and <b>Excel</b> to visualize customer demographics, identify data anomalies, and model business strategies.</li></ul>	

## 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