



# Bishwayan Deb Roy

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## EDUCATION

**SRM Institute of Science and Technology**  
*Bachelor's Degree in Computer Science Engineering*

June 2025  
Current GPA: 9.52

**Kendriya Vidyalaya Silchar**  
*High School Diploma*

May 2020  
GPA: 8.2

## SKILLS

**Languages:** Java, Python, HTML/CSS, JavaScript  
**Tools:** Git/GitHub, VS Code, IntelliJ  
**Frameworks:** React.js, Node.js, Next.js, Express.js  
**Database:** MongoDB, MySQL, SQL Server  
**Concepts:** Object-oriented design, Algorithm design, Data structures, , Agile methodologies

## PROJECTS

**Shiksha Sankalp** | *HTML, CSS, JavaScript, React.js, Node.js, MongoDB*

June 2024

- Collaborated with a team of 6 developers to design and develop a **scalable** educational platform, enhancing access to resources for over **500 first-generation graduates**.
- Architected a **robust server-side architecture** using **Node.js** and **Express.js**, optimizing data flow and **reducing API response time by 30%**, ensuring seamless integration with the frontend in a distributed system.
- Leveraged MongoDB's flexible schema to manage and retrieve large datasets, **increasing data retrieval efficiency by 40%** within the platform.

**Personal Portfolio - Frontend** | *HTML, CSS, JavaScript, Git, VS Code*

Mar 2024

- Crafted and deployed a **responsive personal portfolio**, showcasing web development and design skills. The portfolio **increased engagement by 25%**, leading to appreciation from mentors.
- Applied object-oriented design principles and modern front-end technologies to deliver a user-friendly, interactive experience, resulting in a **20% improvement in page load times**.
- Employed agile methodologies to iterate on design and functionality, ensuring high-quality deliverables.

**Echowrite** | *React and Appwrite*

Dec 2023 – Feb 2024

- Engineered a **scalable, fault-tolerant** blog platform using React, with a focus on user experience and distributed system architecture. The platform **handled over 1000 user interactions per day with no downtime**.
- Integrated Appwrite as the backend service, enabling robust data management and secure user authentication, **reducing backend processing time by 35%**.
- Applied complexity analysis techniques to optimize system performance, **increasing user satisfaction by 20%** based on feedback and interaction metrics.

## ACHIEVEMENTS AND PARTICIPATION

**Code For Good 2024** | *JP Morgan Chase & Co.*

June 2024

Selected as a **top 250 participant out of over 50,000 applicants** for the **Code For Good** challenge. Collaborated with **NGO Eklavya** to develop an educational platform for rural first-generation graduates.

**UNFOLD 2023** | *Hackathon Participant*

Oct 2023

Competed in a **Web3-based hackathon** at KTPO Bangalore as part of a 3-member team. Gained hands-on experience with Web3 technologies, including **NFTs, decentralized applications, and blockchain**.

**Mathitude** | *Runner up*

Mar 2023

Achieved **Runner-Up** status in a renowned mathematics quiz competition at SRMIST, Ramapuram, **competing against over 150 participants**, demonstrating a deep understanding of complex mathematical concepts.