





# Bishwayan Deb Roy

 [github.com/Bishwayan](https://github.com/Bishwayan)  [linkedin.com/in/Bishwayan](https://linkedin.com/in/Bishwayan)  [bishwayandebroy11@gmail.com](mailto:bishwayandebroy11@gmail.com)  (+91)-9707570824

## EDUCATION

### SRM Institute of Science and Technology

Bachelor's Degree in Computer Science Engineering

June 2025

Current GPA: 9.52

### Kendriya Vidyalaya Silchar

Higher Secondary Education

May 2020

GPA: 8.2

## SKILLS

**Languages:** Java, Python, HTML/CSS, JavaScript

**Tools:** Git/GitHub, VS Code, IntelliJ

**Frameworks:** React, Node.js, Next.js, Express.js

**Database:** MongoDB, MySQL, SQL Server

**Concepts:** Object-Oriented Design, Algorithm Design, Data Structures, Agile Methodologies, Scalability, Automation

## PROJECTS

### Shiksha Sankalp [Link](#) | HTML, CSS, JavaScript, React, 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 front end 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 [Link](#) | React, Tailwind CSS, Three.js

Mar 2024

- Crafted and deployed a **responsive personal portfolio**, showcasing innovative solutions in web development and design. 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 [Link](#) | 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.