Bishwayan Deb Roy

 github.com/Bishwayan   linkedin.com/in/Bishwayan   bishwayandebroy11@gmail.com   (+91)-9707570824

EDUCATION

SRM Institute of Science and Technology   June 2025
Bachelor's Degree in Computer Science Engineering   *Current GPA: 9.52*

Kendriya Vidyalaya Silchar   May 2020
Higher Secondary Education   *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.