Sayandeep Biswas

biswassayandeep2004@gmail.com || 8514018825 || Portfolio || LinkedIn || GitHub

---

Education

Heritage Institute of Technology	**Kolkata, India**
B-Tech in Computer Science and Engineering (CSE) — CGPA: 8.57/10	Nov 2022 – May2026
DAV Public School	**Asansol, India**
Senior Secondary (12th Grade)— Percentage: 94.2%	June 2022
DAV Public School	**Asansol, India**
Secondary (10th Grade)— Percentage: 96.4%	June 2020

Skills

Technical Skills:
- **Languages**: Proficient in C /C++, Python, JavaScript, HTML/CSS, MySQL, MongoDB
- **Tools and Frameworks**: Git, React, Node.js, Express.js, Tailwind CSS, Firebase
- **Computer Fundamentals:** OOP, Operating Systems, Database Management System, DSA

Projects

TIXIE Chatbot | NLTK, Node.js, Express, React + Vite, MongoDB, Nodemailer   **GITHUB**

Overview: Spearheaded the development of a chatbot that improved ticket booking efficiency by 60%, reducing average booking time from 10 minutes to 4 minutes. This tool provided over 1,000 visitors with real-time exhibit information, enhancing the user experience in a museum setting.

Key Features:

- Designed and deployed an NLP-powered chatbot, achieving a 90% accuracy rate in understanding user queries and providing relevant responses.
- Integrated secure payment processing, facilitating over 500 successful transactions with 100% email confirmation delivery.
- Built an admin portal to manage event schedules and ticket inventory, resulting in a 30% reduction in manual errors and operational delays.

SONORIQ | React, Zustand, Firebase, APIs   LINK

Overview:
Created a robust music discovery tool that aggregated recommendations from over 1,000 tracks; the personalized experience led to a 15% reduction in user churn, enhancing retention among new subscribers.

Key features:

- Curated over 150 personalized, multi-genre playlists while engaging with a community of music enthusiasts
- Built a collaborative community platform where over 100 users actively participated in music discussions, fostering a vibrant and interactive environment.
- Facilitated discussions that led to the discovery of emerging artists and industry trends.
- Leveraged Firebase to implement real-time updates, reducing playlist generation and recommendation delays by 50%.

Achievements

- Solving Striver's A2Z DSA Sheet.
- Participated in DIVERSION 2K24.
- Selected among 91 teams in college for the Smart India Hackathon 2023.
- Participated in Build space S5 and built a group project.
- Awarded Champion in the Carrom Tournament at the college hostel.
- Working as a member of National Service Scheme (NSS-HITK).