

Aniket Dey

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Web developer skilled in creating responsive web applications and improving user experiences. Proficient in frontend technologies and focused on problem-solving and technical growth.

PROJECT

Online Code Reviewer and Compiler – SAS-Coding - [Link](#) - Apr 2025 - May 2025

- Built a full-stack web application enabling users to **write, run, and review code** in C++, JavaScript, and Python using a browser-based editor powered by CodeMirror. Automated inquiry processing with Google Sheets API, reducing manual work by 40%.
- Integrated **Google Gemini API** for AI-driven code review, providing real-time feedback on logic, performance, and best practices.
- Developed a **secure code execution environment** using Node.js child_process, with timeout handling and language-based sandboxing.
- Implemented **JWT-based authentication** with bcrypt-hashed credentials, allowing users to track submission history and receive personalized feedback.
- **Tech Stack:** React.js, Node.js, Express.js, MongoDB, Tailwind CSS, CodeMirror, Gemini API

Web component library- BharatUI - [Link](#) - Apr 2025 - Apr 2025

- Co-founded and developed **BharatUI**, a framework-agnostic UI component library built with **Web Components (Lit)**, focusing on reusability, performance, and design flexibility.
- Built over a **20-day sprint** during the **Chaicode Web Dev Hackathon**, secured **1st place** among 15+ teams for innovation and execution. Also It got featured on their [Demo Day](#) live stream.
- Implemented over **25+ custom components** (e.g., dropdowns, modals, cards, footers, loaders, and form elements) with **responsive design, theming, and slot-based content injection**.
- Enabled **CDN and npm integration**, allowing zero-build usage and easy adoption across React, Vue, Angular, and plain HTML apps.

Research & Development Website - [Link](#) - Jan 2025 - Feb 2025

- Designed and implemented a responsive user interface using **HTML, CSS, and JavaScript, Tailwind CSS**, improving accessibility and navigation.
- Developed a **MySQL database** for secure user authentication, project applications, and funding management.
- Built **role-based dashboards** for faculty, principal investigators, and administrators to streamline research operations.
- Integrated **Google Sheets API** for automated feedback collection, enhancing transparency and user engagement.

EDUCATION

Narula Institute of Technology, Kolkata | MCA (Master of Computer Applications)

2023 - 2025 | CGPA: 7.5/10

Dinabandhu Institute of Technology and Management, Kolkata | BCA (Bachelor of Computer Applications)

2020 - 2023 | CGPA: 8.9/10

Khatra High School, Bankura | Higher Secondary

2020 | Score: 74.6%

SKILLS & INTERESTS

Technical Skills

- **Web Development:** HTML, CSS, JavaScript, Tailwind CSS, React JS, Node.js
- **Version Control:** Git, GitHub
- **Database Management:** SQL
- **Programming Languages:** C, Java

Areas of Expertise

- Responsive Design and UI/UX Optimization. API integration.
- Software Development and Object-Oriented Programming (OOP)
- Data Structures and Algorithms

CERTIFICATIONS

Web Development Certification

The National Small Industries Corporation Ltd. (NSIC)

Jul 2022 - Aug 2022 | Kolkata, India