

# Aniket Dey

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Web developer skilled in creating responsive web applications and improving user experiences. Proficient in frontend and backend 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.
- 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

- 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 23+ 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.

### URL Shortener API project - [Link](#) - Aug 2025 - Aug 2025

- Developed a full-featured **URL Shortener API** using **Node.js, Express, PostgreSQL, and Drizzle ORM**, enabling secure URL shortening, management, and redirection.
- Implemented **JWT-based authentication** and **Zod validation**, ensuring secure access control and data integrity.
- Automated **database schema management** with Drizzle ORM and PostgreSQL, enabling type-safe queries and efficient migrations.

## FREELANCE PROJECTS

### Encoderrs - Coaching Website - [encoderrs.com](http://encoderrs.com)

- Designed and developed a responsive coaching website with **modern UI/UX**, enhancing accessibility for students.
- Implemented **SEO-friendly** structure and optimized performance for better reach and engagement.

### Sproutt Media - Business Website - [sprouttmedia.com](http://sprouttmedia.com)

- Developed a professional website for a digital solutions company, showcasing services and brand identity.
- Delivered a **mobile-first responsive design**, improving user experience and client conversions.

## EDUCATION

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

2023 - 2025 | CGPA: 8.13/10

### 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:** Node.js, Express, React, JavaScript, HTML, CSS, Tailwind CSS,
- **Version Control:** Git, GitHub
- **Database Management:** MongoDB, PostgreSQL
- **Programming Languages:** C, Java, Python

### Areas of Expertise

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