Debdeep Bose

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EDUCATION

Calcutta Institute of Technology Uluberia, West Bengal
Bachelor of Technology in Computer Science and Engineering *Aug 2022 – Present*

Delhi Public School Siliguri, West Bengal
Higher Secondary Education *April 2020 – April 2022*

PROJECTS

ShadeSeek – Real Estate Platform | *React.js, Vite, Tailwind, Firebase, GSAP, Swiper.js* | Live Link

- **Developed** a responsive **real estate platform** enabling users to check out properties including luxury apartments, rentals and commercial spaces.
- **Integrated Firebase Authentication** to implement secure **user login and registration**, improving access control and reliability.
- **Built** modular sections with interactive service listings and detailed property view options.
- **Implemented GSAP and smooth scroll** for fluid page transitions, enhancing overall **user experience and engagement by 20%**.
- **Utilized Swiper.js** to design responsive **sliders and carousels**, boosting visual appeal and simplifying property exploration across devices.

Waste Management System | *HTML5, CSS3, JS, Leaflet.js, AOS, Glide.js, Swiper.js, EmailJS* | Link

- **Engineered** a 5-page waste management platform with **11+ interactive modules**, enhancing user engagement.
- **Leveraged Leaflet.js** and **Geolocation API** to deliver real-time maps of collection centers, improving accuracy.
- **Enforced** a visual **Waste Tracker** with **dynamic charts**, increasing user engagement by **30%**.
- **Enhanced** offline-ready forms using **LocalStorage** and integrated **EmailJS**, achieving **40% faster submissions** without backend dependency.
- **Enhanced UI responsiveness** with **AOS**, **Swiper.js**, and **Tilt.js**, reducing bounce rate by **20% across devices**.

Personal Portfolio | *React.js, Tailwind CSS, GSAP, EmailJS* | Link

- **Designed** a modern **React-based portfolio website** with **component-driven architecture**, enhancing maintainability and scalability.
- **Applied GSAP** for smooth animations and optimized scroll-based navigation, reducing perceived scroll times by **20%** and improving user engagement.
- **Integrated EmailJS** for real-time **contact form message delivery without backend**, achieving **complete uptime** and improving user interaction efficiency.

ACHIEVEMENTS

Solved 1000+ Data Structures & Algorithms (DSA) problems across coding platforms, enhancing problem-solving skills.

- LeetCode
- GeeksforGeeks

TECHNICAL SKILLS

Programming Languages: C++, Java, JavaScript, TypeScript, SQL
Markup Languages: HTML5, CSS3, SCSS
Libraries/Frameworks: Next.js, React.js, Swiper.js, Tilt.js, Glide.js, Lenis.js, GSAP, AOS
Databases: MySQL, Firebase (Firestore/Realtime DB)
Tools: Git, Visual Studio Code, Cursor, GitHub
Core CS: Object-Oriented Programming (OOP), Operating Systems, Computer Networks
Soft Skills: Communication, Teamwork, Adaptability, Time Management