

# Debdeep Bose

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## EDUCATION

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### Calcutta Institute Of Technology

Bachelor of Technology in Computer Science And Engineering

Uluberia, West Bengal

Aug 2022 – Present

### Delhi Public School

Higher Secondary

Siliguri, West Bengal

April 2020 – April 2022

## PROJECTS

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### 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.
- **Implemented** a visual **Waste Tracker** with **dynamic charts**, increasing user engagement by **30%**.
- **Developed** offline-ready forms with **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.

### ShadeSeek – Real Estate Platform | *React.js, Vite, Tailwind, Firebase, GSAP, Swiper.js* | [Live Link](#)

- **Developed** a responsive **real estate platform** enabling users to checkout 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 SmoothScroll** for fluid page transitions, enhancing overall **user experience and engagement**.
- **Utilized Swiper.js** to design responsive **sliders and carousels**, boosting visual appeal and simplifying property exploration across devices.

### Personal Portfolio | *React.js, Tailwind CSS, GSAP, EmailJS* | [Link](#)

- **Designed and developed** a modern **React-based portfolio website** with **component-driven architecture**, enhancing maintainability and scalability.
- **Implemented smooth GSAP-powered 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

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### Solved 1000+ Data Structures & Algorithms (DSA) problems across coding platforms enhancing Problem Solving Skills

- LeetCode
- GeeksforGeeks

## TECHNICAL SKILLS

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**Programming Languages:** C++, Java, JavaScript, SQL,

**Markup Languages:** HTML5, CSS3, SCSS

**Libraries/Frameworks:** React.js, Swiper.js, Tilt.js, Glide.js, Lenis.js, GSAP

**Databases:** MySQL, Firebase (Firestore/Realtime DB)

**Tools:** Git, Visual Studio Code, Cursor, Github