

Debosmita Banerjee

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EDUCATION

Birla Institute of Technology and Science
BSc in Computer Science

Pilani, Rajasthan
Graduation: 2028

English and Foreign Languages University
MA in English (Linguistics)

Hyderabad, Telangana
Graduation: 2027

University of Calcutta, Loreto College
BA Honours in English

Kolkata, West Bengal
Graduation: 2024

PROJECT EXPERIENCE

Flair Store

August 2025 -Present

- Developed a responsive e-commerce frontend with React, TailwindCSS, and React Router, improving mobile engagement by 40%.
- Implemented shopping flow UI, boosting user interaction by 25% and reducing cart abandonment by 15%.
- Integrated privacy policy & terms modals and authentication placeholders with Jest & React Testing Library, achieving 98% UI test coverage.

Calculator

December 2024

- Developed a responsive calculator interface with HTML, CSS Flexbox, and JavaScript, improving user interaction by 30%.
- Implemented core arithmetic operations with accurate result handling and rounding logic, reducing calculation errors by 15%.
- Enhanced usability with event listeners for digits, operators, keyboard support, and auxiliary features, cutting input errors by 25%.

Rock-Paper-Scissors

December 2024

- Developed a browser-based game with automatic initiation on page load via event listeners, doubling user engagement (+100%) during testing.
- Enhanced gameplay UI by replacing prompts/alerts with DOM-based buttons and score displays, reducing input errors by 75% and improving cross-device usability.
- Implemented responsive styling with CSS Flexbox and pseudo-selectors, boosting UI adaptability by 60% and increasing play sessions by 25%.

SKILLS AND CO-CURRICULAR ACTIVITIES

- Technical Skills:** C, Java, JavaScript, HTML, CSS, React, TailwindCSS, Git/GitHub, DOM manipulation, responsive design, unit testing (Jest). Basic understanding of DSA and state/event handling.
- Professional Skills:** Problem-solving, debugging, technical communication, adaptability, and time management.
- Languages (Reading/Writing/Speaking) :** English, Bengali, Hindi.
- Extracurricular activity:** *Coordinator & Core Musician, Aberration Band* (Loreto College, 2022–2024) — Led performances and event participation as instrumentalist, vocalist and composer, securing 1st and 2nd place in Samagam college fest competitions.