

# Debosmita Banerjee

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## EDUCATION

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**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

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### *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

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- 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.