

# 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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### **LinkedIn Automation Proof-of-Concept (Go)**

*December 2025*

- Built a Go-based browser automation proof-of-concept using Rod, simulating LinkedIn workflows (auth, search, connections, messaging) with a focus on clean, modular architecture.
- Implemented 8 human-like anti-detection techniques including mouse movement, timing randomization, and fingerprint masking to minimize bot-like behavior patterns.
- Designed a PoC-safe, state-driven pipeline with pagination, deduplication, and persistent JSON storage, enabling resumable and idempotent execution.

### **App Graph Builder (ReactFlow Canvas UI)**

*December 2025*

- Developed an interactive architecture visualization tool using React, TypeScript, ReactFlow, TailwindCSS, Zustand, and TanStack Query, supporting node creation, drag, zoom, selection, deletion, and keyboard shortcuts.
- Implemented custom Service and Database nodes with a synced inspector panel, status indicators, and predictable state updates via centralized stores.
- Built a responsive, dark-mode-first layout with side panels, mobile drawer, and loading/error states using mock APIs.

### **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.

## SKILLS AND CO-CURRICULAR ACTIVITIES

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- **Technical Skills:** Go, JavaScript (ES6+), TypeScript, C, Java, React, ReactFlow, TailwindCSS, HTML, CSS, Zustand, TanStack Query, Git/GitHub, REST APIs, browser automation, DOM manipulation, responsive UI design, unit testing (Jest, React Testing Library). Basic understanding of DSA and state/event handling.
- **Professional Skills:** Problem-solving, debugging, UI/UX reasoning, technical communication, code readability & maintainability, adaptability, and time management.
- **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.