

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

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

- **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.