

# SHUBHODEEP MUKHERJEE

Kolkata, West Bengal

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LeetCode

## PROFESSIONAL SUMMARY

Final-year Electronics and Communication Engineering student with strong Full-Stack Web Development skills. Experienced in React, Firebase, Node.js, and REST API development. Adept at building scalable, SEO-optimized platforms and real-time systems. Seeking SDE roles to apply problem-solving and web technology expertise.

## TECHNICAL SKILLS

**Frameworks:** React.js, Next.js, Node.js, Express.js, Angular.js

**Technologies / Platforms:** Firebase, Docker, AWS

**Databases:** MongoDB, MySQL

**Tools:** Git, GitHub, Postman, Figma, VS Code, Redux DevTools

**Languages:** HTML5, CSS3, C, C++, Java, Python, JavaScript, TypeScript, SQL, NoSQL

**Concepts:** DSA, DBMS, OOP, System Design, DevOps

## EDUCATION

### Narula Institute of Technology

2022 – 2026

B.Tech - Electronics & Communication Engineering - **CGPA - 8.2**

Kolkata, West Bengal

## PROJECTS

### SoFilmy ↗ | JavaScript, React.js, Firebase, Cloud Storage, TMDB API, Tailwind CSS, Three.js

- Increased **user engagement by 70%** with mood-based film suggestions, curated movie lists, and structured review templates leading to consistent daily logins.
- Achieved **40% faster data retrieval** through caching (TMDB + Firebase) and Firebase indexing, ensuring smooth scalability even on large datasets.
- Boosted **community interaction by 55%** via real-time chat (seen status + recent messages) and follow/unfollow networking, improving user retention.
- Improved **content creation efficiency by 3x** with in-built review templates and organized uploads, enabling cinephiles to publish structured analyses effortlessly.

### PingNest ↗ | JavaScript, MongoDB, Express.js, React.js, Node.js, Socket.io, Zustand, Tailwind CSS

- Engineered a **real-time chat app** with **WebSocket-based messaging** using **Socket.io**, improving user interaction.
- Created **emotion-tagged messages** using dropdown selectors to support tone-aware chat experience.
- Built **10+ REST APIs** with **Express.js** to handle user auth, messaging, and media handling.
- Integrated **Cloudinary** for image upload and **CDN delivery**, reducing image load time by **40%**.
- Utilized **Zustand** for lightweight and scalable state management with minimal UI re-renders.

## INTERNSHIP

### DookanPe (Anthrovia Technologies Pvt. Ltd.) ↗

Apr 2025 – May 2025

Frontend Developer Intern

Kolkata, India

- Delivered the **entire frontend of the admin panel** using **TypeScript + React**, ensuring modular architecture and scalable codebase.
- Improved **data accessibility by 60%** through an interactive analytics dashboard with **Ola Maps API** for region-wise UPI sales insights.
- Reduced backend request load by **40%** via debounced calls, pagination, and efficient state management, resulting in faster load times.
- Built **5+ production-ready admin modules** (feedback, employee CRUD, stock tracking, multilingual product management) and visual dashboards with **Tailwind CSS + charts**.

## CERTIFICATIONS

- Problem Solving Through Programming in C (NPTEL) – **64%** ↗
- The Joy of Computing Using Python (NPTEL) – **94%**, Top 2% ↗

## EXTRACURRICULAR

- Participated in **Smart India Hackathon (SIH)**, collaborating on real-world problem statements in a competitive coding environment.
- Built and led the development of the official **Kritanj 2025 Tech Fest** web portal using **Next.js** and **Framer Motion**, managing a team of 4 including UI/UX collaboration. ↗