

SHUBHODEEP MUKHERJEE

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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. 🗄