

Sayantán Sarkar

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SUMMARY

MERN Stack developer proficient in crafting dynamic and user-friendly web applications using ReactJS, Node.js, Express, and MongoDB, with expertise in modern tools and development practices.

PROJECTS

- **Link Leaf** (Nov 2024 - Dec 2024) [Live](#) [Github](#)
 - Developed **Link Leaf** – the ultimate link management tool.
 - Responsive media management app with **Cloudinary** integration, built using Next.js, Tailwind CSS and ShadCN UI.
 - Secure email OTP verification with **Nodemailer** and **Brevo**, modern UI components, and stunning animations powered by **AcertinityUI** and **Framer Motion**.
 - **TechStack used:** NextJs, TypeScript, Tailwind CSS, PostgreSQL, Prisma, Cloudinary, Shadcn UI.
- **Tunes** (Sep 2024 - Nov 2024) [Live](#) [Github](#)
 - Developed Tunes, a modern music streaming web application.
 - Built functionalities for playing, pausing, volume control, looping, and track selection.
 - Enhanced data fetch performance using Redis caching, reducing response times from **900ms to 200ms** for a seamless user experience.
 - **TechStack used:** ReactJS, TypeScript, Node.js, ExpressJS, Sass, MongoDB, Redis.
- **Snapp** (Jul 2024 - Sep 2024) [Live](#) [Github](#)
 - Developed a web application for exploring and sharing high-quality images.
 - Implemented **infinite scroll** for seamless image exploration, eliminating the need for pagination.
 - Integrated image downloading functionality using a custom **use_image_downloader** React hook.
 - **TechStack used:** ReactJS, TypeScript, Sass and Framer Motion.
- **use_image_downloader** (Aug 2024) [npm](#)
 - Developed a custom React hook to simplify the process of downloading images.
 - Enabled efficient handling of image downloads with a clean and reusable API.
 - Published the package on npm, **achieving 300+ downloads**.
 - **TechStack used:** ReactJs and TypeScript and Rollup.

SKILLS

- **Frontend:** HTML, CSS, JavaScript, TypeScript, Sass, Tailwind, ReactJS, NextJS, Redux Toolkit.
- **Backend:** Node.js, Express.js.
- **Database:** MongoDB, PostgreSQL, Redis.
- **Tools:** Git, Github, Prisma, Docker.

CERTIFICATIONS

- **Frontend Developer (React)** HackerRank • 2024 [View Certificate](#)
- **Responsive Web Design** FreeCodeCamp • 2024 [View Certificate](#)

EDUCATION

- **B.Tech in Computer Science & Engineering**
 - Greater Kolkata College of Engineering and Management • Kolkata • 2022 - 2026
- **Higher Secondary**
 - Balurghat High School • Balurghat • 2021 • 89.2%
- **Secondary**
 - Balurghat High School • Balurghat • 2019 • 86.7%