

Sayantan Sarkar

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SUMMARY

MERN Stack developer proficient in crafting dynamic and user-friendly web applications with expertise in modern tools and development practices.

SKILLS

Frontend: JavaScript, TypeScript, ReactJS, NextJS, CSS, SCSS, TailwindCSS

Backend: Node.js, Express.js

Database: MongoDB, PostgreSQL, Redis,

Tools: Prisma, Git.

EXPERIENCE

HackerEarth

Bangalore, India

Frontend Engineer Intern

February 2025 - Present

- Developed user interface components for a coding challenge platform.
- Resolved critical UI bugs, including scrolling issues in team management and candidate snapshots, enhancing user experience.
- Optimized assessment test functionality by adding resume size limit checks, ensuring seamless loading.
- Actively collaborated with backend and design teams to deliver high-quality features on time.

PROJECTS

Link Leaf [Live](#) [Github](#)

July 2024 - September 2024

- **Tech Stack:** NextJs, TypeScript, Tailwind CSS, PostgreSQL, Prisma, Cloudinary, Shadcn UI.
- Engineered Link Leaf – the ultimate link management tool.
- Built responsive media management system with **Cloudinary integration** using Next.js, Tailwind CSS and ShadCN UI.
- Implemented **Secure email OTP verification** with **Nodemailer** and Brevo, modern UI components, and stunning animations powered by AcertinityUI and Framer Motion.

Tunes [Live](#) [Github](#)

July 2024 - September 2024

- **Tech Stack:** ReactJS, TypeScript, Node.js, ExpressJS, Sass, MongoDB, Redis.
- Designed and launched Tunes, a modern music streaming web application.
- Programmed functionalities for **playing, pausing, volume control, looping, and track selection**.
- **Boosted** data fetch performance by integrating **Redis** caching, cutting response times from **400 ms to 150 ms** for a smoother user experience.

Snapp [Live](#) [Github](#)

July 2024 - September 2024

- **Tech Stack:** ReactJS, TypeScript, Sass and Framer Motion.
- Architected a web application for exploring and sharing high-quality images.
- Integrated **infinite scroll** for seamless image exploration, eliminating the need for pagination.
- **Incorporated** a custom **use_image_downloader** React hook for seamless image downloads.

use_image_downloader [Live](#)

July 2024 -August 2024

- **Tech Stack:** ReactJs, TypeScript
- Authored a **custom React hook** to simplify the process of downloading images in React applications.
- **Designed** a clean and reusable API for efficient download handling, boosting developer productivity.
- **Published** the package on npm, achieving over **375+ downloads**, demonstrating community adoption and utility.
- **Produced** detailed documentation and examples to guide users in integrating the hook into the projects.

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%