Sayantan 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

- **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.

- **PublicAPI_Hub** (Dec 2023 - Feb 2024) Live   Github

  - Developed a user-friendly platform for discovering public APIs using ReactJs and Sass.
  - Implemented intuitive **search** and **categorization** features, enhancing user experience.
  - Successfully **handled over 3000 requests within 12 months.**
  - Utilized Node.js for server-side logic, enabling efficient data processing and management
  - Created RESTful API endpoints with Express, for communication between frontend and backend components.

SKILLS

- **Frontend:** HTML, CSS, JavaScript, TypeScript, Sass, Tailwind, ReactJS, Redux Toolkit.
- **Backend:** Node.js, Express.js.
- **Database:** MongoDB, PostgresSQL, 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%