

Sayantan Samanta

Dedicated and result-driven Frontend Engineer with 2.7 years of experience building innovative and user-friendly web applications. Skilled in modern frameworks and optimization techniques to deliver seamless digital experiences. Seeking a dynamic role to contribute expertise and drive impactful solutions.

linkedin.com/sayantan-s
github.com/Sayantan-s
portfolio-22-smoky.vercel.app
sayantan.work12699@gmail.com
(+91) 91634 - 56288

SKILLS

HTML/CSS/SASS TailwindCSS CSS-In-JS JavaScript TypeScript Python React Redux/RTK/Zustand React Query Next.js Node.js Storybook Express/FastAPI/Flask REST/GraphQL/Ws Github Actions BullMQ(Message Queue) Redis PostgreSQL MongoDB GCP(GCS, PubSub, CloudSQL, Cloud Run)

EXPERIENCE

Hyresnap Frontend Engineer

May 2023 — Present

Bengaluru, Karnataka

- Implemented an end-to-end payment system using **Stripe's SDK** to carry out recurring product subscriptions for international customers.
- Designed a comprehensive transcription service tailored for proctored interview's reports with the help of a 3rd-party tool called **Assembly AI**.
- Built a scalable image upload system from scratch using **Next.js, Pillow, Flask and GCS**, that allows users to upload their avatars using a cropper tool.
- Integrated Razorpay payments for credit transactions for a user-centric mock interview service catering to the Indian B2C tech market.
- Collaborated closely with the Tech Lead to **enhance the efficiency of a MongoDB query, mitigating CPU spikes** and enhancing system performance.
- Contributed to a number of major fixes, including removing memory leaks in the application and fixing anonymous authentication, which links multiple Auth providers, such as email and social authentication, using Firebase/auth.
- Improved Core Web Vitals in mobile devices as well as **reduced blog page initial load time by 30%** by applying certain performance optimisations.
- Optimized the Interview Autoscheduling algorithm, resulting in a **50% reduction in workload** for the Operations team.
- Improved resume building experience by 50%** with page breaks and accurate PDF previews using React, Browser APIs, and Puppeteer.
- Spearheaded the redesign of interviewer report submission and candidate report processes, introducing admin-side feature flags and AI-powered summaries using **Gemini LLM(Gemini 2.5 pro preview model)**, **reducing operational workload by 20% and bolstering security** using React, TypeScript, Zod, RTK Query, Radix UI and React Hook Form to deliver a seamless and efficient client experience.
- Developed a B2B front-end for an ATS-friendly Resume Builder, integrating a **Resume Reviewing Tool** and comprehensive internal dashboards
- Enhanced the performance of several REST endpoints by **10-20% by offloading** time-consuming asynchronous tasks to Cloud Scheduler.
- Collaborated with the Marketing team to implement programmatic SEO strategies, enhancing search engine visibility and driving organic traffic growth.
- Built a resume analyzer tool using the **Gemini LLM (Gemini 2.5 flash model)** to assess candidate fit based on jds, **reducing recruiter workload by 20%**

Hoggy Software Engineer(Frontend)

May 2022 — November 2022

Bengaluru, Karnataka

- Primarily worked on user-facing features, optimized them, and sent them to production.
- Integrated business analytics tools such as **MoEngage** and **MixPanel** with Next.js to **enhance user tracking**.
- Contributed to the Creator tool's gallery module to upload well-optimised media using **Next.js, Redux, React-query**.
- Contributed in Hard-Typing the codebase, which resulted in a **50% reduction in runtime bugs**.
- Wrote unit test cases for Go APIs while migrating from Monolithic to Microservices infrastructure.
- Wrote a CI script for vercel preview deployments prior to moving into production.

Codemancers Frontend Engineer Intern

November 2021 — December 2021

Remote, Kolkata

- Improved code quality and contributed to an ongoing project by following TDD approach using React, Typescript, RTL & Jest
- Contributed to the Open Vpn profile management of the organization using **Hapi.js, Typescript & Prisma**.

Strive Frontend Engineer Intern

November 2020 — January 2021

Remote, Kolkata

- Contributed to the development of the platform's dashboard using Next.JS and Tailwind.
- Used a wide-column No-SQL Database(**AWS Dynamo DB**) for carrying out CRUD operations

PROJECTS

Personal Projects

[Upshot.app](#) [2024 - Present] (React, Redux, TypeScript, Node(Express), GraphQL, MongoDB, Vite, Web Sockets, LLMs)

A platform for creators to develop their products while transparently sharing the behind-the-scenes process, embracing the 'Build in Public' philosophy.

[Deep Lip Reading](#) [2022] (React, TypeScript, Vite, Web Sockets, Python, Flask)

Built an end-to-end application that has options to capture pictures based on a timer or a single click to detect user lip movement to predict words.

[Build-Physician](#) [2025 - Present] (React, TypeScript, Python, Flask, Mongo, Webpack, LLMs)

Webpack analysis tool that helps developers diagnose and optimize their frontend bundle with the help of a plugin, AI-driven recommendations to improve perf.

PROJECTS

Open Source Contributions

- [Next Auth](#) [2021] Fixed a bug for this OSS authentication library by correcting auth state of client-session api.
- [Layer 5](#) [2021] Improved UX issue of a community website by adding delayed mount and unmount animation of the scroll to top button.

Mini Projects

- [Debounced Google Search](#) [2022] (React, TypeScript) Debounced autocomplete functionality mimicking Google Search.
- [Apply Mate](#) [2025] (Vue/Nuxt, TypeScript, Playwright, Gemini(flash 2.5), StageHand(Agent)) AI-powered job match assistant.
- [Covlive](#) [2020] (React, SCSS, Context Api, Mapbox, Apex Charts) Covid Case tracking app providing accurate statistical data and rising cases

Blogs

- [Domain name and hit Enter. Then?](#) [2023] De-mystifying the science behind humankind's greatest invention.

EDUCATION

B.Tech Information Technology

July 2018 — 2022 Netaji Subhash Engineering College (**NSEC**) **8.5** (CGPA)

ISC - Class 12th

July 2015 — 2017 The Modern Academy (**TMA**) **71.5** (PERCENTAGE)

ICSE - Class 10th

July 2002 — 2015 Ram Mohan Mission High School (**RMMHS**) **75.0** (PERCENTAGE)