

# Supratik Chakraborty

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## EDUCATION

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- **West Bengal University of Technology** Kolkata, India  
*B.Tech (Bachelor of Technology) in Information Technology; CGPA: 9.11* July. 2019 – Aug. 2023

## EXPERIENCE

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- **Trumio** Remote  
*Software Engineer - (Frontend Focus)* Mar 2024 - Present
  - **Admin Platform:** Built and maintained the **admin platform** used by **5 customer organizations** with 100 participants each, improving **Lighthouse scores by 12–18%** via bundle and render-path optimizations.
  - **Analytics Dashboard & Insights:** Developed **RBAC-driven dashboards** with **Recharts + shadcn**, improving visibility and evaluation workflows for managers.
  - **Internal Design System:** Pioneered a **40+ component** design system as a **private npm package**, extending **shadcn/ui** with company tokens; added **Storybook docs** and **RTL + Jest tests**, reducing FE dev time by **20%**.
  - **Feedback & PR Analysis Pipeline:** Integrated **SurveyJS** and created a **FastAPI cron service** processing **200–300 PRs/month** to generate automated, **LLM-backed summaries**.
  - **Frontend Release Ownership:** Owned **10+ major releases** and supported **bi-weekly deployments**, while driving documentation and knowledge-base improvements.
  - **Management:** Mentored **2 engineering interns** through POC-to-full-time conversion.
  - **Tech Stack:** React, TypeScript, Vite, Zustand, shadcn/ui, Recharts, Storybook, SurveyJS, RTL + Jest, FastAPI, CometChat, GitHub Actions
- **Reunion** Mumbai, India  
*Software Development Engineer - (SDE-1)* Oct 2023 - Mar 2024
  - **Frontend Development:** Developed data-intensive UI components for a real-estate risk analysis platform using **Gatsby** and **React**, improving accessibility and rendering of **10,000+ regulatory and property records**.
  - **Backend Scraping & Data Pipelines:** Implemented web scrapers using **BeautifulSoup** to extract data from **20+ government real-estate portals**, and built distributed ingestion workflows with **Celery + RabbitMQ** that processed **hundreds of records per run**; integrated **Keycloak** to provide secure, role-based access.
  - **Tech Stack:** Gatsby, React, Keycloak, BeautifulSoup, Celery, RabbitMQ, Python

## PROJECTS

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- **QuietSpace - quietSPACE-tan.vercel.app:**
  - \* **Full-Stack Development:** Built a mental wellbeing app with **mood tracking, journaling, and AI-assisted reflection** using **Next.js, Supabase, and Google Gemini + Vercel AI SDK**.
  - \* **AI Companion & Dashboards:** Implemented AI chat with **contextual memory**, mood/journal flows with **100+ test entries**, and progress dashboards using **Zustand, shadcn/ui, and Recharts**.
- **Nimbus - nimbus-chess-v2.vercel.app:**
  - \* **AI Chess Analysis Platform:** Developed a chess learning platform enabling users to import PGN games and receive **Google Gemini-driven analysis** using **Next.js, TypeScript, and Supabase**.
  - \* **Interactive Puzzle & History System:** Implemented personalized puzzle generation, game import workflows, and history tracking for **50+ analyzed games per user** using **Zustand and shadcn/ui**.

## SKILLS

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- **Languages:** Javascript, Typescript, Python, HTML/CSS, C++, SQL
- **Frameworks & Libraries:** React, Next.js, Vite, Gatsby, Zustand, Redux, shadcn/ui, Node.js, Express, FastAPI
- **Platforms & Tools:** Azure, Supabase, Keycloak, GitHub Actions, Docker, Linux, Git, GitHub, LaTeX