

Soham Datta

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Technical Skills

Languages: Python, JavaScript/TypeScript, Node.js, Go, SQL, C++ , Java, Bash

Technologies: React.js/Next.js, Flask, Django, NoSQL, WebSockets, AWS, Docker, LlamaIndex, Git, Azure Logs

Certifications: AWS Certified Cloud Practitioner

Experience

Software Engineer - 1

June 2024 – Present

Swipe Billing (YC S21) - Full stack development on the product team

Hyderabad, Telangana, India

- **Overhauled the Razorpay-powered payment flow**, optimizing transaction and order tracking, **reducing API calls by 50%**, and **resolving concurrency issues**, achieving **99.9% transaction reliability for 10,000+ daily payments**.
- Designed and delivered **GSTR-1 filing and GSTR-2B reconciliation** - a flagship tax compliance module for Indian accounting software - integrated with Swipe Documents via MasterGST APIs, **enabling 95%+ accurate automated filings for 300+ monthly users**.
- **Built trials and subscription renewal tracking** for internal sales tool, generating **over ₹2 lakhs daily**, improving **trial-to-paid conversion rates by 30%** and reducing **churn by 10%**.
- **Delivered 50+ enhancements to Swipe's online store**, including **secure checkout with Razorpay integration** and **live inventory tracking** with cart reservation to prevent stock-outs, **increasing new store user sign-ups by 4x** and **boosting monthly revenue by 25%**.
- **Developed 5 bulk import APIs** to streamline workflows, enabling **seamless data migration for 50+ daily users** **switching from competing platforms with zero data loss**.
- **Tech Stack:** React.js, Redux, Flask, MySQL

Software Engineer Intern

Oct 2023 – May 2024

VarsityPro - Full stack development (FE heavy) on the product team

New Delhi, India

- Delivered **10+ core product features** - including an AI resume scorer and MBTI testing suite - along with frequent updates and targeted bug fixes based on user feedback. (React.js, Redux, MUI, Django, OpenAI API)
- Eliminated backend performance bottlenecks, reducing loading times by 70% for key user-facing components.

Projects

Critic.ai: Game Review Generator (Full-stack) Group Project

Demo - GitHub

- Created a **game review engine** that utilizes Large Language Models (**LLMs**) and Retrieval Augmented Generation (**RAG**) to generate **aggregated video game reviews**. Reused this architecture to generate **Legal Documents** as well. Generated **500+ game reviews with 90% user satisfaction** in beta testing.
- Led a team of 3: Designed the overall architecture, and developed the front-end (React.js, TypeScript, TailwindCSS) and the back-end (Python, MongoDB, WebSockets, Golang).

LiveSyntax: A real-time code editor (Full-stack) Personal Project

Website - GitHub

- Built a real-time collaborative code editor using React.js, TypeScript, WebSockets, Node.js, and Tailwind CSS.
- Implemented Unique room IDs, with live code sync via Socket.IO, and CodeMirror for the code editor.

EliteCode: A LeetCode Clone (Full-stack) Personal Project

Website - GitHub

Education

Bennett University (The Times Group)

Greater Noida, UP, India

B.Tech in Computer Science and Engineering, CGPA: 9.1/10.0

Aug 2021- June 2025

Relevant Coursework: D.S.A. (A+), Java OOP (A), Database Systems (A+), Computer Networks (A), O.S. (A)

Publications and Awards

- P. Chauhan, R. Sahani, **S. Datta**, A Qadir, M. Ali - 'Evaluating Top-k RAG-Based approach for Game Review Generation', at IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT), 2024.
- Smart India Hackathon (University round): 6th out of 150+ teams. (Fullstack, GenAI). Team - LegalLLM