

# Soham Datta

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## Technical Skills

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

**Technologies:** React.js/Next.js, Flask, Django, NoSQL, Celery, Redis, Shopify, Payment Gateways, AWS, Azure, Docker

## Experience

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### Software Engineer - 1

December 2024 – Present

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

Hyderabad, Telangana, India

- Owned end-to-end development of **GSTR-1 filing and GSTR-2B reconciliation** - a flagship tax compliance feature for Indian accounting software - integrated with Swipe Documents via MasterGST APIs, **enabling 95%+ accurate automated filings for 500+ monthly users**.
- Overhauled the **Razorpay-powered payment flow**, introduced idempotency keys, distributed locking (Redis), and async retry queues (Celery + Azure Service Bus), reduced outbound API calls by 50% while achieving **99.9% transaction reliability** across 10,000+ daily payments.
- Owned the high-throughput **Shopify - Swipe plugin** processing **100k+ daily webhooks**. Designed event-driven system with webhook validation, deduplication, and exactly-once guarantees, syncing orders, inventory and customers.
- Contributed 1500+ pull requests across multiple services, did on-call rotations and production incident debugging.

### Software Engineer Intern

June 2024 – Nov 2024

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

Hyderabad, Telangana, India

- 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 30%**.
- Built secure checkout experience with **Razorpay integration**, with real-time inventory reservation (optimistic locking + live qty) to prevent stock-outs, resulting in **4X increase** in new store sign-ups.

### 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

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### Critic.ai: Game Review Generator

Demo - GitHub

- Created a **game review engine** that utilizes Large Language Models (LLMs) and Retrieval Augmented Generation (RAG) to generate **aggregated video game reviews**. Generated **500+ game reviews with 90% user satisfaction** in beta testing. Reused this architecture to generate **Legal Documents** as well.
- 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

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.

## Education

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### Bennett University (The Times Group)

Greater Noida, UP, India

B.Tech in Computer Science and Engineering, CGPA: 9.17/10.0

Aug 2021- May 2025

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

## Publications and Awards

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- 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: 6th out of 150+ teams. (Fullstack, GenAI). Team - LegalLLM