

Swagata Das

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SUMMARY

AI-native Backend Engineer experienced in building scalable, real-time systems with Golang, Java, and React. Skilled in APIs, DBMS, Docker, and distributed systems. Active open-source contributor, combining backend engineering with LLM-driven workflows to deliver intelligent, high-performance applications.

INTERNSHIP EXPERIENCE

• CometChat [🌐]

Software Development Intern

June 2025 - Present

Mumbai, India(Remote)

- Contributed to building **Agentic AI** features that enabled adaptive, autonomous, and context-aware communication.
- Enhanced real-time SDKs and UI Kits, improving cross-platform integration efficiency by 40%.
- Adopted AI-assisted workflows for debugging, testing, and feature development, reducing issue resolution time by 25% and accelerating feature delivery by 15%.

PROJECTS

• Portal – AI powered Collaborative Text Editor [[LINK](#)]

June 2025 - Present



Tools: Golang, Gorilla WebSocket, React.js, Docker, LLM

- Engineered a real-time collaborative editor with diff-patching achieving <80ms sync latency across multiple users.
- Integrated an **AI-powered chat** assistant that provides context-aware code and text suggestions, enabling smarter collaboration and enhancing user productivity.
- Implemented distributed state synchronization reducing merge conflicts by 35%, ensuring reliable multi-user editing across sessions.

• StumpVizz – Cricket Live Streaming Platform [[LINK](#)]

December 2024



Tools: ReactJS, Tailwind, Customized Search Engine(CSE)

- Developed a streaming platform sustaining 1000+ concurrent users with 99.9% uptime.
- Built an **AI-powered match summarizer** delivering real-time, context-aware highlights and insights, enhancing viewer engagement and retention.
- Incorporated React markups for responsive UI, enhancing user experience.

• UReduce – URL Shortner [[LINK](#)]

April 2025



Tools: Golang, PostgreSQL, React.js, Vite, Docker

- Built a high-throughput URL shortener handling 10K+ requests/day with <100ms response time and optimized DB schema.
- Deployed scalable Dockerized microservices, improving deployment efficiency by 30% and ensuring fault-tolerant operations.

EDUCATION

• Guru Nanak Institute of Technology

June 2022 – Present

Kolkata, India

Bachelor of Technology – Computer Science and Engineering

- GPA: 9.04/10

- Coursework: Operating Systems, Computer Networks, Data Structures, DBMS

TECHNICAL SKILLS

- **Programming Languages:** Java, Golang, JavaScript, TypeScript
- **Backend & Databases:** React.js, Express.js, MongoDB, PostgreSQL
- **Cloud & DevOps:** Linux/Unix , Docker, Nginx, OCI

CERTIFICATIONS

• Google Cloud Computing Foundations [Google Cloud](#)

October 2023

• Data Structures (University of California San Diego) [Coursera](#)

December 2023

HONORS AND AWARDS

• Grand Finalist – Smart Bengal Hackathon (SBH) 2024

April 2024

Department of IT & Electronics, West Bengal



- Built NLP-backed mental health app with microservice architecture.

• Grand Finalist (Waitlisted) – Smart India Hackathon (SIH) 2024

December 2024

Government of India



- Developed a real-time fraud detection & alerting system for law enforcement.