

# 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**  June 2025 - Present  
Software Development Intern 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 
  - 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 
  - 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  
Bachelor of Technology – Computer Science and Engineering Kolkata, India
  - 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.