SASWATAYU SENGUPTA

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EDUCATION

B.Tech, Computer Science & Engineering *2025 – 2029*
RCC Institute of Information Technology, MAKAUT, Kolkata · First-Year YGPA: 8.03

Higher Secondary & Secondary Education *2013 – 2025*
Don Bosco School, Park Circus, Kolkata · ICSE (2023): 95.6% · ISC (2025): 88.75%

PROJECTS

Lyrics Listener — Kotlin, Flutter, Android SDK

Android app that displays time-synced lyrics as a floating overlay above any playing media. 900+ organic installs and a 4.8★ rating with zero marketing spend; handles media-session binding, overlay permissions, and multiple display modes.

Source ↗ · Play Store ↗

Primus — JavaScript, Cloudflare Workers, Groq API

Serverless chatbot for Telegram Business accounts, deployed entirely at the edge. Streams LLM responses into Telegram messages and renders rich formatting. No origin server; sub-100ms cold starts.

Source ↗

waview — Node.js, Baileys, protocol analysis, reverse engineering

WhatsApp multi-device companion client built to study the protocol's handling of view-once media and premium stickers. Independently reverse-engineered and built a sender and downloader for view-once media & stickers with a Telegram bot bridge.

Source ↗

Also built — on GitHub!

lyricscard (JavaScript) — generates shareable, customisable lyric cards. · **spotifrenspy** (Python) — surfaces Spotify friend-activity data outside the desktop client.

EXPERIENCE

Telegram Support Force — Volunteer Support Specialist, Software Testing *2023 – Present*

- Respond to ≈500 user support tickets per month across Telegram's official volunteer support programme (TSF)
- File and triage bug reports on bugs.telegram.org and via internal channels.

Freelance Web Developer — Full-stack Software Engineering *2025 – Present*

- Sole developer for thesound.engineer and blog.thesound.engineer — designed, built and shipped a portfolio site and blog for a UK-based live sound engineer, from brief to deployment.

Smart India Hackathon — Team Leader *2026*

- Led a team shortlisted at college level, with a working prototype of an LMPC compliance-checking web app.

TECHNICAL SKILLS

Languages: Kotlin, JavaScript, TypeScript, Python, C

Platforms & Tools: Android SDK, Node.js, React, Cloudflare Workers, Git, REST APIs, Linux

Focus areas: Mobile development, web development, serverless architecture, reverse engineering, applied LLM integration

INTERESTS

Literature and creative writing · philosophy of mind and consciousness studies · artificial intelligence, and its capabilities and alignment.