

Rhythm Sanghi

Computer science student | Desktop tools & developer software

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rhythm-sanghi.github.io | github.com/Rhythm-Sanghi

Focus

Local-first software in Rust and React, with Tauri desktop interfaces and SQLite persistence. Interested in discussing internships, desktop software and developer-tool projects.

Selected projects

Threadmark | Rust, Tauri, React, SQLite, Tree-sitter

A local JavaScript, TypeScript and Python code explorer. Shared desktop/CLI analysis engine, source-backed relationships, reverse impact, incremental parse caching and local Git comparison. Early release candidate, v0.1.1.

Case study: rhythm-sanghi.github.io/work/threadmark/

Benchmark | Rust, Tauri, React, SQLite

A Windows workspace utility for storage measurements, PATH/tool observations, snapshot comparisons and explicitly reviewed recycling plans. Desktop and CLI share the engine; local observations persist in SQLite. Version 0.1.0.

Case study: rhythm-sanghi.github.io/work/benchmark/

Other work

HearGlass: local Whisper transcription. OmniSpace: cross-device workspace prototype. BhumiSetu: map-led data review. Serpens: browser/mobile game. Flash Speaker: synchronized browser-audio experiments.

Technical focus

Rust engines and CLI tools; React/TypeScript interfaces; Tauri integration; SQLite persistence and caching; Python speech processing; browser experiments.

Education

B.Tech, Computer Science | 2024-2028

Swami Vivekanand College of Engineering

Class XII: 88% (2024) | Class X: 97% (2022)

Project descriptions and current release limitations are available in the linked case studies. Profile updated October 2026.