

Neshan Qaqish

Computer science student | Software development & AI agent orchestration

neshanrq@gmail.com | [LinkedIn](#) | [GitHub](#) | neshan.dev

Education

Dutchess Community College | Computer science coursework | 2026–present

Intended transfer to SUNY New Paltz for a B.S. in Computer Science; target graduation 2029.

Selected software projects

[Local Conflict Monitor](#) | React / TypeScript, FastAPI, SQLite, Leaflet, RSS

Scoped and directed an AI-assisted event dashboard with source management, report matching, and rule-based confidence. Retained logs contain 2,350 fetched items and 189 events; 101 events link to multiple report URLs. Distinct registered sources are a separate measure.

[Anime Desktop Application](#) | Python, PySide6 / Qt Quick, QML, SQLite, libmpv

Defined and validated a native Linux library and player with persistent playback progress, read-only scanning, and background artwork work. Current isolated suite: 337 cases pass. Directed architecture and agent workflows, acceptance criteria, and debugging coordination.

[Video Upscaler & Compressor](#) | Python, PySide6, Video2X, FFmpeg, Vulkan, NVENC

Scoped and validated two separate agent-assisted desktop applications with durable queues, recovery safeguards, and output checks. One retained 4K HDR HEVC compression test reduced 5.473 GB to 1.405 GB, a source-specific 74.3% reduction. Re-encoding is lossy; results do not guarantee the same savings for other inputs.

Technical skills & development workflows

Requirements, architecture guidance, task decomposition, AI agent coordination, acceptance criteria, manual and automated testing, debugging coordination, and performance measurement.

Technologies in agent-assisted projects: Python, TypeScript, React, FastAPI, SQLite, PySide6 / Qt, QML, Linux, Git, and FFmpeg. Local inference configuration: Ollama and LM Studio. Development tools include Codex, Claude, Cursor, Google Antigravity, and Hermes.

Additional experience

Independent Content Creator | 2024–present

Plan, produce, and analyze short-form content using AI-assisted creative workflows.

Dental Office | Insurance EOB & Billing Support | August 2026–present

Process insurance explanations of benefits and patient billing. Previously supported reception, July–August 2026.