

Sanya Chawla

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EDUCATION

Honours Bachelor of Science in Computer Science - (ASIP Co-op)

Sep 2022 - Dec 2026

University of Toronto, St. George Campus

Toronto, Ontario, CA

- **Relevant Courses:** ML/AI, Advanced Data Structures, Software Tools & Systems, Computer Organization, Operating Systems, Multivariable Calculus, Interactive Computational Media

EXPERIENCE

Software Developer Intern

May 2025 – Present

Intact Financial Corp.

Toronto, Ontario, CA

- Designed a **RAG pipeline** that retrieves test artifacts and historical logs, increasing debugging speed.
- Integrated **AI agents** (Devin-style task runners) to automate flaky-test triage, log summarization, and code path analysis.
- Optimized a sharding technique to reduce runtime of testcases by **33%** on Jenkins.

iOS Mobile Developer Intern

Jan 2025 – Apr 2025

CIBC

Toronto, Ontario, CA

- Designed a personalized **e-Transfer limits module**, cutting **customer support calls by 40%**.
- Built and deployed **onboarding flows** powered by **Generative AI** to reduce friction and drop-offs.
- Implemented and tested features using **SwiftUI, Core Data, Core Animation, and XCTest**

AI Intern

Aug 2024 – Nov 2024

White Cloak Technologies

Remote

- Engineered improvements to the **AI recommendation algorithm** for *Splurge AI*, boosting performance.
- Integrated the **Gorse API** to fine-tune models, achieving a **35% increase in recommendation accuracy**.
- Developed and optimized **backend data pipelines** using **Docker, PostgreSQL, and Redis**.

PROJECTS

TempoRun | *Swift, Python, NoSQL, FastAPI, Docker*

github.com/sanyachawla/tempo-run

- Built an AI-powered iOS app that dynamically adjusts Spotify playlists to optimize running pace.
- Implemented an **LLM-driven agent** that analyzes pace patterns and autonomously selects BPM-aligned tracks using a rules + model hybrid system.

Good2Know | *Python, BeautifulSoup, ReactNative, Firebase*

github.com/sanyachawla/good2know

- Developed a React Native app that summarizes top news stories, clustering **50+ articles daily** by theme.
- Web Scraped top news websites using Python and BeautifulSoup, extracted keywords with an NLP BertModel API, sorted the articles by significance, stored them in the Firestore database

NGSK Mobile App | *React Native, Expo, Firebase, Node.js*

apps.apple.com/ca/app/ngsk

- Developed a mobile app for my ashram with serving **450+ active users** across iOS and Google Play.
- Implemented end-to-end product lifecycle: **design, development, QA testing, release**, and continuous iteration based on community feedback.

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript/TypeScript, SQL, Swift, R

AI/ML: Prompt Engineering, RAG Pipelines, LangChain, LlamaIndex, Vector DBs (FAISS), Agents, n8n

GenAI Tools: OpenAI API, Groq, HuggingFace, Gemini, Claude, Gorse, Lovable, Base44, v0

Developer Tools: Git, Firebase, GCP, MongoDB, FastAPI, JenkinsXCode, Figma