

Sanya Chawla

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EDUCATION

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

Sep 2022 - May 2027

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

- Creating a **full-stack internal testing dashboard** using **React**, **Node.js**, and **MongoDB** to improve test visibility and reporting.
- Assisting with **automation efforts** to streamline internal tools and reduce **manual QA workflows**.

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**, integrating **third-party APIs** as needed.

AI Intern

Aug 2024 – Nov 2024

White Cloak Technologies

Remote

- Engineered improvements to the **AI recommendation algorithm** for *Splurge AI*, boosting performance and engagement.
- 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.
- Designed a user-specific online learning model to predict song impact on performance using **200+ audio features**.

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

Ani4me | *Python, PyGame*

github.com/sanyachawla/ani4me

- Engineered a recommendation engine using **1000+ anime entries** and graph + tree data structs.
- Utilized information from an online dataset and created the interface using Pygame.

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, TypeScript, SQL, Assembly, Shell Script, HTML/CSS, Swift, R, Groovy

Frameworks: React.js, React Native, Node.js, Jenkins, FastAPI

Developer Tools: Git, Docker, Firebase, Google Cloud Platform, XCode, Figma

Libraries: BeautifulSoup, TensorFlow, PyTorch, scikit-learn, OpenCV, NumPy, SciPy, Pandas, Matplotlib