

# Amitoz Jatana

☎ (647) 987-0773 | ✉ [amitoz.jatana@mail.utoronto.ca](mailto:amitoz.jatana@mail.utoronto.ca) | 🌐 [portfolio-website](#) | [in amitoz-jatana](#) | [A-Jatana](#)

## EDUCATION

---

University of Toronto | Honours Bachelor of Science

September 2021 – April 2025

Computer Science Specialist (Co-op), Software Engineering Stream

## PROJECTS

---

### Course Assist Application

[GitHub](#)

- Created an innovative **Android application** enabling **150k+** students to effectively plan their courses by leveraging key information, including prerequisites and offering sessions, managed by the Admin.
- Implemented efficient functionalities using **Java** and **Realtime Database** in **Firebase**, enabling seamless login for the Admin and course management operations such as addition, updating, and deletion.
- Conducted rigorous unit testing using industry-standard tools like **JUnit** and **Mockito**, resulting in an impressive reliability and stability rate of **95%** for the application, ensuring a smooth user experience for the vast user base.
- Actively collaborated with a **Scrum** team to successfully deliver six user stories, adhering to **Agile** principles, and effectively utilized **Jira** for efficient task management and progress tracking.

### To-Do List Website

[GitHub](#)

- Developed a **full-stack website** enabling users to effortlessly add and manage **10k+** tasks, providing a seamless experience from creation to deletion.
- Designed an aesthetically pleasing frontend interface utilizing **HTML** and **Bootstrap CSS**, ensuring an engaging and user-friendly experience.
- Employed the **Flask** framework in **Python** to develop a robust backend, integrating **SQLAlchemy** for secure and efficient database management of user login information and task records.

### System Monitoring Tool

[GitHub](#)

- Engineered a robust **C program** with a remarkable **95%** accuracy rate to meticulously monitor and track system resources, providing invaluable insights for efficient resource management.
- Implemented cutting-edge functions to seamlessly retrieve and display critical system information, empowering users with comprehensive visibility into their system's performance.
- Unleashed creativity by crafting captivating graphical representations of memory usage and CPU utilization over time, further enhancing the program's visual appeal and user experience.

### Hungry Ogre: MIPS Assembly Platform Game

[GitHub](#)

- Engineered a main loop to seamlessly handle game states, keyboard input, and sprite/object collision detection, resulting in a **50%** reduction in lag, delivering an immersive and highly responsive gaming experience for users.
- Pioneered the development of a captivating additional feature that introduced moving enemies, enhancing the game's complexity by **35%**, providing users with a more immersive and rewarding experience.

## WORK EXPERIENCE

---

First Financial Solution Inc | Personal Assistant

September 2022 – January 2023

- Collaborated with cross-functional teams to coordinate projects and tasks, facilitating effective teamwork, and achieving project objectives within designated timelines.
- Exemplified exceptional organizational skills by scheduling and managing **15+** appointments daily, resulting in a substantial boost in workplace productivity.
- Acted as the primary point of contact for internal and external stakeholders, demonstrating strong interpersonal skills and providing excellent customer service, which led to a high satisfaction rating of **4.7/5**.

## SKILLS

---

- **Languages:** Python, C, Java, HTML, JavaScript, CSS, Kotlin, Assembly, Unix/Shell scripting
- **Tools/Frameworks:** Android Studio, Firebase, Flask, Bootstrap, Tailwind, JUnit, SVN, GitHub, React Native
- **Concepts:** Design Patterns, Agile Methodology (Scrum), OOP, Data Structures, and Algorithms