

Rohit Nair

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EDUCATION

University of Calgary Bachelor of Science, Computer Science (*Expected Graduation: May 2024*)

- **GPA:** 3.71/4.0
- **Awards:** IB Entrance Award Scholarship, Alexander Rutherford Scholarship, Jason Lang Scholarship
- **Undergraduate Coursework:** Database Management Systems (Relational Databases with *MySQL*), Algorithms and Data Structures, Object Oriented Programming (with *Java*), Computing Machinery (with *C* and *Assembly*)

WORK EXPERIENCE

iOS Software Developer → University of Calgary (*under MSc Benedicta Asante*) **01/2023 – Present**

- Led the design and development of an **iOS application** to give immigrant women domestic violence resources
- Produced **3** wireframe designs of the proposed solution using **Figma**
- Constructed an end-to-end prototype with live chat and translation using **Flutter, Firebase**, and the **Google API**

Executive of Events and Mentor → Schulich Ignite (*formerly Google Ignite*) **02/2022 – Present**

- Moderated sessions for over **150 students** and assisted students in a variety of **Pygame** activities
- Hosted **over 8 large-scale** events, including hackathons and professional coding showcases

Code Instructor → Code Ninjas **08/2021 – 11/2022**

- Assisted **over 80 students** as they completed a variety of **JavaScript, Lua, and HTML-themed** projects
- Created numerous engaging lesson activities through interactive presentations and **JavaScript coding puzzles**

Student Library Assistant → University of Calgary **09/2021 – 05/2022**

- Used Microsoft Excel to efficiently categorize over **1000 books** in a library transfer project
- Communicated directly and remotely with University clients to assist with **directional, referral, technological**, and other questions/concerns with a **95% satisfaction rate**

Software Developer → Prozus Incorporated **09/2020 – 05/2021**

- Developed a Java-based software package that used the **Tesseract OCR** package to capture data
- Converted pipeline asset blueprints to a digital data inventory, improving digitalization efficiency by **over 30%**

PROJECTS AND CONTRIBUTIONS

CampusFire – University of Calgary Social Networking App → *Figma, Swift, UX/UI*

- Contributed to the frontend **Swift** design of an iOS social networking app with over **170 active users**, including **Figma** prototypes and direct implementation of the *Events* sections

CluBot – Discord Messenger Bot → *Discord.py, icalendary.py, concurrent programming*

- Developed and deployed *CluBot*, a Python-based Discord bot that scrapes University club **Discord announcements** and sends them to opted-in users, utilizing **Discord's API** and Python's **icalendar** library
- Implemented and streamlined the announcement process resulting in **40% faster** distribution to users

Billboard Top 100 Scanner → *BeautifulSoup, Tkinter, PostmanAPI, threading*

- Crafted a scraper tool using Python's **BeautifulSoup** library and the **Spotify API** to make a Billboard Top 100 Spotify playlist **within 20 seconds**
- Outputted an Excel file which can be processed by the software to produce older **legacy playlists** when requested

uTrack Gym Tracker → *React, Django, Relational Databases*

- Designed a real-time hour tracking software using a dynamic **React** frontend and **Django** backend that tracked the athletic facility usage of over **50 users**

Virtual Self-checkout Machine → *JavaSwing, GitHub, modular programming*

- Implemented a completely operational self-checkout station with Java with **25** other programmers
- Devised a system to read virtual membership cards using a working card-scanner observer

SPECIALIZED SKILLS

Proficient: Python, Java, Git, Unix, JavaScript, API's (Discord API, Spotify API, Postman API, etc.), JUnit, Swift, C++

Familiar: HTML, CSS, Bash, C#, C, Assembly, SQL, Databases (Relational and NoSQL), Lua, Unity, React, MongoDB