

# Rohit Nair

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## SPECIALIZED SKILLS

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**Proficient:** Swift, Figma, JavaScript (React), API's (Spotify API, Postman API, etc.), C, C++, Python, Java, Git, Scrum

**Familiar:** HTML, CSS, Bash, C#, Assembly, SQL, NoSQL, Lua, Unity, MongoDB, AI/ML (TensorFlow), Solidity, Mocha

## WORK EXPERIENCE

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**iOS Software Developer** → University of Calgary (*under MSc Ph.D. and Candidate Benedicta Asante*) (Jan 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*) (Feb 2022 – May 2023)

- 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 (Aug 2021 – Nov 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 (Sept 2021 – June 2022)

- Used Microsoft Excel to efficiently categorize over 1000 books in a library transfer project
- Communicated directly and remotely with University clients to answer questions/concerns with a 95% satisfaction rate

**Software Developer** → Prozus Incorporated (Sept 2020 – May 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

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**CampusFire – University of Calgary Social Networking App** → *Figma, Swift, UX/UI* (May 2023 – Present)

- Contributed to the frontend Swift design of an iOS social networking app to gain 200 active users and \$150,000 worth of seed grants, creating numerous Figma prototypes and direct implementation of the *Events* sections
- Used AWS CLI to create a localized testing environment for the *Events* section

**uTrack Gym Tracker** → *React, Django, Relational Databases* (Mar 2023 – May 2023)

- 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* (Mar 2023 – May 2023)

- 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

**CluBot – Discord Messenger Bot** → *Discord.py, icalendary.py, concurrent programming* (Feb 2023)

- 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* (Jan 2023)

- 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

## EDUCATION

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**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 *PostgreSQL*), Data Structures and Algorithms (*Java*), Programming Paradigms (*Haskell* and *Prolog*), Computing Machinery (*C* and *Assembly*)

## Certificates

- [Google IT Automation with Python](#), [Ethereum and Solidity: Developers Guide](#), [Intermediate Java Programming](#)