

# Burhan Faquiri

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## EDUCATION

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### Sheridan College

September 2019 – December 2023

*Bachelor of Science in Computer Science*

- Extracurricular: President of the Computer Science Club, Teaching Assistant, Recipient of Alumni Award of Excellence & Sheridan Student Union Academic Award of Excellence
- Relevant Coursework: Data Structures & Algorithms, Software Design, Operating Systems, Object-Oriented Programming, Advanced Networking, Android Development, Virtualization & Software Defined Networks
- Graduated with High Honours Award, GPA: 3.93

## WORK EXPERIENCE

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### Centre for Applied AI & Naryant

January 2024 – April 2024

*Software Engineer & Data Analyst Intern*

- Modeled & analyzed traffic patterns using SUMO & OpenStreetMap, improving data accuracy across 10+ zones
- Developed a Python Selenium scraper to extract Oakville demographic data, supporting urban planning efforts
- Used SQL to query & optimize traffic data storage & retrieval, enhancing efficiency for urban projects

### FreshBooks

May 2023 – August 2023

*Dev-Ops Engineer Intern*

- Transitioned CI/CD pipelines to Microsoft Azure DevOps, utilizing Python, Docker, Kubernetes, & Helm charts, boosting developer productivity & reducing errors
- Published custom Azure DevOps tasks on Visual Studio Marketplace, improving developer experience & reducing development time
- Achieved a 34% optimization in build time for FreshCLI, enhancing performance for multiple microservices
- Templated Azure pipelines, promoting best practices & code reusability, resulting in improved developer productivity & error reduction

### TD Bank

January 2023 – April 2023

*Android Developer Intern*

- Contributed to the development & maintenance of the Android TD Bank app using Java, Kotlin & the Android SDK to build responsive & dynamic user interfaces in Jetpack Compose & MVVM architecture
- Implemented HCI guidelines & best practices, resulting in over 90 million visits & a 51% click rate
- Worked with an Agile team to realize project requirements & implement solutions in place to satisfy them
- Utilized JUnit & Mockito for robust unit testing to ensure code stability & quality

### Centre for Applied AI & GEOTAB

September 2022 – December 2022

*Software Engineer & Data Analyst Intern*

- Engineered a front-end city maintenance website using React and Redux with the city of Kingston
- Executed geospatial queries on Google BigQuery & filtered GeoJSON data for efficient data analysis
- Constructed RESTful backend endpoints using MyGeotab SDK, integrating with the UI to ensure efficient data processing & real-time updates

### Centre for Applied AI, Osteoporosis Canada & Naryant

November 2021 – April 2022

*Machine Learning Engineer & Data Analyst Intern*

- Led machine learning research to predict Osteoporosis risk using Python & Scikit-learn, improving predictive accuracy through feature engineering
- Ensured algorithm effectiveness by cleaning thousands of records & implementing data validation strategies

## PROJECTS

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### BetterFit - Capstone Project

- Designed & developed a first-place award-winning iOS app with SwiftUI, SceneKit, & Google Cloud Firestore and ChatGPT, featuring A.I.-powered 3D workout demonstrations & plans

## TECHNICAL SKILLS

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**Programming Languages:** Python, C#, Kotlin, Java, JavaScript, C++, Swift

**Frameworks/Tools:** Git, Azure DevOps, Gradle, Jenkins, Unity, .NET Core, React, Spring, SQL, JIRA, Docker, Kubernetes