

Nilay Kapadia

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EDUCATION

University of Toronto

BSc in Computer Science, Major GPA 3.6/4

Toronto, ON

Sept. 2019 – April 2024 (expected)

EXPERIENCE

Software Engineering Intern

Meta

May 2022 – August 2022

Seattle, WA

- Developed and improved infrastructure to solve and remediate privacy problems using **Hack/PHP**
- Improved code file enumerations by providing instant updates for code file assets **eliminating** delays of up to **24 hours**
- Added **100,000+** new undiscovered code file assets by developing an advanced system for code file enumerations
- Proposed and implemented new changes outside the scope of current projects improving debugging and code quality

Software Developer Intern

Ford Motor Company of Canada

January 2022 – April 2022

Toronto, ON

- Developed multiple **Android** app pages using **Android UI**, **XML**, and **Kotlin** for Fords in car infotainment system
- Migrated **XML** components to the new **JetPack Compose** framework reducing errors and increasing testing speed
- Actively participated in bi-weekly planning meetings with team leaders and product owners to improve team performance

Software Developer Intern

FISPAN

May 2021 – August 2021

Vancouver, BC

- Worked closely with large-scale **microservices** architecture to develop new invoice receivables features using **Java** and **Spring** impacting **200+** businesses and banks
- Improved storage of account information by creating monthly partitions of the **SQL** table enhancing query processing by **30%**
- Used **Kotlin**, **J-Unit**, and **Spring** to create rigorous **unit tests** for production features reducing bugs by **40%**
- Actively participated in the on-call rotation resolving various production issues using **Kibana** and **PagerDuty**

PROJECTS

SportsCred | Dart, Flutter, Python, Flask, SQLite, Git

[Github](#)

- Developed a mobile sports app in a team of 6, as a back-end developer, which allows users to engage with other sports fans to put their sports knowledge to the test
- Used **Flask** to create a **REST API** to create profiles, update user scores, add posts etc. and used **Flutter** to create the front-end user interface

Javmos | Java, Git, Java Swing

[Github](#)

- Developed a graphing calculator using **Java**, which is capable of graphing polynomial and trigonometric functions
- Used **inheritance** and **polymorphism** along with **software design patterns** to produce cleaner and more well-designed code

Spotify API Clone | Java, Spring Boot, MongoDB, Neo4j, Git

[Github](#)

- Developed a **REST API** for a music player like Spotify to create profiles, follow/friend users, like songs, create playlists etc.
- Used the **Spring Boot framework** and **microservices** supported by **MongoDB** and **Neo4j**

Connect-4-AI | Pygame, Python

[Github](#)

- Developed game of connect-4 using **pygame** with AI implemented using the **miniMax** algorithm in **python**

SKILLS

Technical: C, CSS, Git, Flask, HTML, Java, JavaScript, Android, Windows, Python, Pygame, Unix, Jira, REST APIs, Neo4j, MongoDB, SQL, Docker, Kubernetes, React Js, Haskell, Spring, PHP/Hack

Traits: Hardworking, Teamwork, Problem Solving, Leadership