Nilay Kapadia

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EDUCATION

University of Toronto	Toronto, ON
BSc in Computer Science, Major GPA: 3.6/4	*Sept. 2019 – April 2023 (expected)*

EXPERIENCE

Software Developer Intern May 2021 – August 2021
FISPAN *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%**
- Added new transaction details to the UI using **React Js** allowing smoother access to transaction information

Programmer September 2015 – May 2019
Agincourt Robotics *Toronto, ON*
- Developed and **debugged** features using programming language **C** and **git** to provide functionality to the robot
- **Communicated** ideas proficiently with team members and leads resulting in efficient completion of tasks

Math Tutor September 2016 – May 2018
Agincourt CI Tutoring *Toronto, ON*
- Tutored grade 9, 10 and 11 students and equipped them with useful study tips resulting in a **5-10%** increase in grades
- Effectively communicated with students to complete challenging problems, and helped students gain intensive knowledge on **mathematical** concepts

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 **git** version control along with **Jira** to manage work flow, while following **Agile development** processes to easily implement new features
- 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
- Collaborated with a group of 3 on all stages of **scrum software development processes** and used git version control effectively to manage tasks

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**

Sudoku Solver | *C* Github
- Developed a program that solves every solvable Sudoku puzzle using a recursive backtracking algorithm

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
Traits: Hardworking, Teamwork, Problem Solving, Leadership