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

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
- Effectively communicated with students to complete challenging problems, and helped students gain intensive knowledge on mathematical concepts

Cricket Player and Captain   May 2015 – May 2019
Agincourt Cricket Team   *Toronto, ON*
- Organized teammates and took initiative in coordinating team activities
- Lead a team of 15 to 2 championships and won the Most Valuable Player (MVP) Award
- Coached new players and encouraged players to practice frequently resulting in a city championship

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
- Users are given a score based on trivia knowledge, discussions with other sports fans, and picks and predictions, which ranks them amongst other users
- 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

Tic-Tac-Toe-AI | *HTML, CSS, JavaScript*   Github, Website
- Developed a game of Tic-Tac-Toe with an integrated AI which never loses!
- Developed unbeatable AI in JavaScript using the recursive miniMax algorithm

Sudoku Solver | *C*   Github
- Developed a program that solves every solvable Sudoku puzzle
- Implemented a recursive backtracking algorithm that solves any solvable Sudoku puzzle in a short amount of time

SKILLS

Technical: C, CSS, Git, Flask, HTML, Java, JavaScript, Android, Windows, Python, Unix, Jira, REST APIs, Neo4j, MongoDB
Traits: Hardworking, Teamwork, Problem Solving, Leadership