Satavanan Senthuran

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Skills & Abilities

- **Proficiencies:** Python, Java, C#, C++, JavaScript, HTML, CSS, TypeScript, SQL, Git, Bash
- **Tools Used:** Postman, Azure Data Studio, JaCoCo, Jira, Jiva Rest API, Apigee API, GitHub, Visual Studio, Unity
- **Collaboration:** Worked with six teams of four to create unit tests and API endpoints at RBC
- **Quick & Eager Learner:** Enthusiastically, learned a new technical skill every sprint (week) at RBC

Experience

INNOVATION DEVELOPER | ROYAL BANK OF CANADA | JULY 2019 – AUG 2019

- Integrated RBC Connect (RBC's Portal) and Backpack (RBC's talent tracking and retention software) enabling RBC to save resources and time by removing double data entries and manual work processes
- Used Angular, Java Spring Boot, Postman, Jive Rest API v3, and Apigee API to complete the integration
- Volunteered to cache additional data to improve client satisfaction by creating a faster loading application
- Used JUnit and JaCoCo to create server-side authentication unit tests with over 90% code coverage
- Helped configure a server-side H2 in-memory database on Spring Boot using SQL and Azure Data Studio

CAMP COUNSELLOR | BAYVIEW GLEN DAY CAMP | JULY 2018 – AUG 2018

- Planned, lead and implemented a myriad of camp activities for children while being a positive role model

Projects

PICTURE TRANSLATOR | AUG 2019

- Reads text embedded in images and translates it from English to over 100 languages
- Uses a Python wrapper for Google's Tesseract-OCR Engine to read text embedded in images,
- Translates the text with a library that implements Google Translate

NEWS ARTICLE ANALYZER | JULY 2019

- Used Indico API (a Machine Learning API) in Python to create an application that uses the article's URL to find keywords, the article's sentiment, the emotion shown in the article, the article's political bias, and a summary

ROBOTHIEVES | MAY 2019

- A Python developed voice-controlled maze game that uses the BFS algorithm to see if the user took the shortest path

FLASHING FOUR IN A ROW | OCT 2018 – NOV 2018

- A multi-level android app that incorporates a CPU player while being based off Connect 4 but with flashing lights
- Developed using C# and Unity from scratch with no prior knowledge in Unity

Education

UNIVERSITY OF WATERLOO | COMPUTER ENGINEERING | 2019-2024

Extracurriculars

FOUNDER | COMPUTER SCIENCE CLUB AT VAUGHAN SS | NOV 2018 – MAY 2019

- Created a club that teaches students how to apply Algorithms and Data Structures for competitive programming

COMPUTER TUTOR VOLUNTEER | VAUGHAN PUBLIC LIBRARIES | NOV 2015 – APRIL 2018

- Instructed classes regarding basic computer operations and fundamental computer applications for senior students.

FIRST DEGREE BLACK BELT | WHITE FANG TAEKWONDO | MAY 2017 – PRESENT
CARNATIC MUSIC | THAMIL ISAI KALAA MANRAM OF ONTARIO | SEPT 2006 – FEB 2019