JANAHAN **RAVICHANDRAN**

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EDUCATION

University of Ontario Institute of Technology   **Oshawa, On**
(Ontario Tech University)   September 2018 – Present
Bachelors of Engineering (Honours), Software Engineering   Expected Graduation: April 2022

- Cumulative GPA: 3.7
- Relevant Coursework: Introduction to Programming for Engineers, Objected Oriented Programming and Design, Web Programming, Discrete Mathematics for Engineers, Linear Algebra, Data Structure (In progress), Statistics and Probability for Engineers.

SKILLS

Software: Visual Studio Code, Visual Studio, Eclipse, IntelliJ IDEA, PyCharm, WAMP Server, NodeJS
Languages: Java, C++, JavaScript, MySQL, Python

WORK EXPERIENCE

Bigtech Inc.   **Markham, ON**
Computer Engineering Co-op Student   Feb. 2017 – June 2017

- Perform repair tickets at an efficiency and safe pace, for devices with hardware faults to get the device return to the customer as soon as possible.
- Strong organizational skills used when working on multiple devices at one time which improved efficiency of repairs by 35%.
- Collaborated with other technicians to diagnose defective hardware and software together to progress/build on teamwork and communication skills.

SELECTED INDEPENDENT PROJECTS

Sudoku Solver   *Private Repo*

- Created a Python program using PyCharms.
- Program complete sudoku puzzles using a backtracking/search algorithm.
- Used features such as I/O, methods, and recursive algorithms in order to complete puzzle or alert the user if the puzzle cannot be completed.

Super Mario Bros. Game   *Private Repo*

- Designed and created a Java based game recreating Super Mario Bros.
- Implemented concepts such as classes, object-orientated practices, action listeners and GUI elements.
- Designed and created a collision detection function within the program to detect interaction between two or more objects.

OVO Retail Store │ Full Stack   *GitHub:* https://git.io/Jewxj

- Developed a website of the retail store OVO, using HTML/CSS/JavaScript.
- Created a program that provides verification when inputting payment information, to insure correct information is used.
- Utilized CSS to make website visually appealing while maintaining functionality.

ADDITIONAL EXPERIENCE & AWARDS

Second Prize, UOIT Designathon   **September 2019**

- Collaborated in a team of four members to produce a center console for a vehicle that utilized a cupholder as well as wireless charging
- Implemented NFC into CAD model to provide additional ease to access vehicles infotainment system

Dean's Honours List

- Achieved a term GPA of 3.7 for the Winter term 2019