

# Ashwin Kamalakannan

Software Engineering UOIT  
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## SKILLS

### Programming

Java • C • Python • JavaScript

### Automation

Selenium • Jenkins • UCD • Groovy

### Server side

Nodejs • Flask • PHP

### Client side

React • Jinja • Angular

### Mobile

React Native • Cordova • Ionic

### Database

MySQL • SQL Server • SQLite

### Other

Shell • PowerShell • L<sup>A</sup>T<sub>E</sub>X

## EDUCATION

### UNIVERSITY OF ONTARIO INSTITUTE OF TECHNOLOGY

SOFTWARE ENGINEERING  
Graduating in April 2020

## INTERESTS

Open source software  
Building web applications  
Process automation  
Streamlining work flows

## CURRENT PROJECTS

- Developing bots/automated reply systems for social media platforms like Discord and Whatsapp.
- Developing custom Reddit dashboard based on interests rather than popularity.

## LINKS

Website: [ashwink97.github.io](https://ashwink97.github.io)  
GitHub: [github.com/AshwinK97](https://github.com/AshwinK97)  
Linkedin: [linkedin.com/in/AshwinK97](https://linkedin.com/in/AshwinK97)

## EXPERIENCE

### CIBC | APPLICATION DEVELOPER CO-OP

May 2018 – Present | Toronto, ON

- Currently developing continuous build and deployment systems using Jenkins and IBM UCD to improve agile work flow and minimize errors
- Semi-automated change management processes and change record tracking in testing and production environments
- Built automation tools to streamline daily tasks, managing emails and browser activities
- Built web scraper for competitive interest rate tracking to help save business departments hundreds of hours per year

### BMO FINANCIAL GROUP | SOFTWARE DEVELOPER CO-OP

May – August 2017 | Toronto, ON

- Designed web app to track project information and development
- Developed job automation software for file servers
- Developed modules for the Imagine Trading Software

## PROJECTS

### BOT SIM | AI SIMULATION TOOL

[github.com/DarronSingh/AI-Project](https://github.com/DarronSingh/AI-Project)

Simulation tool built using object oriented Java. Used to visualize agents seeking targets within an enclosed space subject to various constraints. Different modes allow agents to communicate, interact with and help each other. Keeps track of agent states and generates output files for performance testing.

### STOCK VIEW | FINANCIAL ANALYSIS APP

[github.com/AshwinK97/Stock-View](https://github.com/AshwinK97/Stock-View)

Financial data analysis tool written with the Flask web framework for Python. Allows users to visualize and compare stock data for various tech companies over the past ten years. Features an intuitive interface, capable of producing complex data visualizations with Plotly and Pandas. Includes a full featured public API that allows users to query for JSON data.

### MOVIE SEARCH ENGINE | UOFT HACKS 2017

[github.com/AshwinK97/uoft-hacks-2017](https://github.com/AshwinK97/uoft-hacks-2017)

Search engine interface for movies and TVshows designed to take user input and give recommendations based on common traits such as genres and ratings. Built using JavaScript paired with a movie database API. Allows user to specify similarity of recommendations.

### UOIT ENGINEERING HUB | ONLINE DISCUSSION BOARD

[github.com/AshwinK97/uoit-engineering-forum](https://github.com/AshwinK97/uoit-engineering-forum)

Forum hosted with AWS designed to be a hub for Uoit engineering students to share and discuss information. Features a custom discussion board where users can contribute and start new discussions. Won first place in UOIT web design contest.

### ZOMBIE SURVIVAL | TOP-DOWN SHOOTER

[github.com/AshwinK97/ZombieSurvival](https://github.com/AshwinK97/ZombieSurvival)

Top-down Zombie Survival themed shooter with custom game engine built in Java using swing graphics, sound and object oriented design.