

Ashwin Kamalakannan

3A Software Engineering UOIT
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PROGRAMMING

Languages

Python • JavaScript • C • Java

Server side

Nodejs • Flask • PHP • ASP.NET

Client side

React • Jinja • Bootstrap

Mobile

React Native • Cordova • Ionic

Database

MySQL • SQL Server • SQLite

Other

Shell • PowerShell • \LaTeX

EDUCATION

**UNIVERSITY OF ONTARIO
INSTITUTE OF TECHNOLOGY**

SOFTWARE ENGINEERING

Graduating in April 2019

Cumulative GPA: 3.18

COURSES

Algorithms

Data Structures

Object Oriented Design

Web Development

Databases

Software Architectures

Systems Programming

Microprocessors

Digital Logic

INTERESTS

Designing web applications

Writing automation scripts

Attending MLH hackathons

Competing in programming contests

LINKS

Website:// ashwink97.github.io

GitHub:// github.com/AshwinK97

LinkedIn:// linkedin.com/in/AshwinK97

EXPERIENCE

BMO FINANCIAL GROUP | SOFTWARE DEVELOPER CO-OP

May – July 2016 | Markham, ON

- Designed web app to track projects that are currently in development
- Developed auto archiving and job automation script for file servers
- Developed scripts for the Imagine Trading Software
- Compiled documentation for newly released projects

PROCESS INTELLIGENT TECHNOLOGY | WEB DEVELOPER

May – July 2016 | Markham, ON

- Designed a website for a metering service using the .NET framework
- Loaded lists and trees using Microsoft SQL Server and jsTree plug-in
- Designed tree-view interface with drag and drop functionality

EXCELLENT ACADEMY | COMPUTER SCIENCE TEACHER

May – Aug 2016 | Scarborough, ON

- Introduced over 20 students to programming concepts, logic and hardware
- Taught Python programming and basic algorithm design

PROJECTS

STOCK VIEW | FINANCIAL ANALYSIS APP

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

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

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.

PERSONAL PROFILE PAGE | WEBPAGE TO SHOWCASE PROJECTS

github.com/AshwinK97/PersonalProfile

Personal webpage built using a single page Bootstrap template used to showcase projects directly from Github. Features responsive buttons and navigation system, designed for use on all platforms of any hardware specification.

ZOMBIE SURVIVAL | TOP-DOWN SHOOTER

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.