

Ashwin Kannan

2B Software Engineering UOIT
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PROGRAMMING

Languages

Java • Python • C • C++ • C#

Web

Bootstrap • jQuery • PHP • ASP.NET

Database

MySQL • MS SQL Server • MariaDB

Other

Git • Bash • AWS • Google Analytics •

LaTeX

EDUCATION

UNIVERSITY OF ONTARIO INSTITUTE OF TECHNOLOGY

SOFTWARE ENGINEERING

Graduating in May 2019

Cumulative GPA: 3.18

COURSES

Web Development

Data Structures

Object Oriented Design

Algorithm Design

Digital Logic

INTERESTS

Designing web pages and applications

Solving HackerRank problems

Designing with game maker studio

LINKS

Profile:// [AshwinK97](#)

Github:// [AshwinK97](#)

LinkedIn:// [AshwinK97](#)

EXPERIENCE

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
- Designed games and animations using Scratch and Photoshop

PICKERING HIGH SCHOOL | PEER TUTOR

Sep 2014 – June 2015 | Pickering, ON

- Tutored high school students in computer science grades 10 - 12
- Taught students in Special Education and ESL

PROJECTS

MOVIE SEARCH ENGINE | UoFT HACKS 2017

github.com/AshwinK97/uoft-hacks-2017

Search engine interface for movies and TVshows designed 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. Featured a custom discussion board where users could 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. Featured 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 built in Java using swing graphics, sound and object oriented design. Built custom game engine and designed art assets specifically for this game.

CHECKERS | TEXT-BASED GAME

github.com/AshwinK97/Checkers

Text-based checkers game made in java emphasizing object oriented design. Used hashmaps and input parsing techniques to take movement commands from user.

TRAFFIC SIMULATOR | 4-WAY INTERSECTION

github.com/AshwinK97/TrafficSimulator

Traffic intersection simulator built in Java using swing graphics and object oriented design. Simulated the flow of traffic through a 4-way intersection such that no cars could collide.