# 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 grades 10 - 12
- Helped with Java programming assignments
- Taught students in Special Education and ESL

## PROJECTS

**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 Boostrap template used to showcase projects directly from Github. Featured Responsive buttons and navigation system, designed for use on all platforms of any hardware specification.

**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.

**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.

**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.