

# Anant Ojha

## Computer Science Undergraduate

Self-driven and motivated Computer Science undergraduate. Demonstrated ability in developing, testing and demonstrating software applications. Strong programming, debugging and technical documentation skills.

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## EDUCATION

### Computer Science: Software Engineering

Carleton University

*Class of 2022*

#### Courses

- Data Structures
- Operating Systems
- Mobile Applications
- Database Management Systems
- Software Economy and Project Management
- Algorithms
- Neural Networks
- Software Quality Assurance
- Real-Time Concurrent Systems
- Object-Oriented Software Engineering

## WORK EXPERIENCE

### Teaching Assistant (TA)

Carleton University

*01/2022 - 04/2022*

*Ottawa, Ontario*

#### Tasks:

- Course: COMP3004 - Object-Oriented Software Engineering (3rd year)
- Held weekly office hours and created tutorials videos & sample code
- Graded assignments, tests and term projects with feedback

### QA Automation Engineer - Intern

Finastra

*09/2020 - 08/2021*

*Toronto, Ontario*

#### Job Summary:

- Member of Cross-Functional Feature team as a QA Engineer
- Tested web applications for Government of Canada's Student Loans Program ([NSLSC](#)). Stack: AngularJS, C# .NET, Microsoft SQL Server.
- Drafted test cases, user scenarios and manual verification steps
- Wrote automation tests for frontend & backend applications (Selenium)
- Performed functional, integration and regression testing for multiple product releases

### Information Technology Analyst - Intern

Manulife Financial (U.S. Division)

*05/2020 - 08/2020*

*Toronto, Ontario*

#### Job Summary:

- Supported senior engineers with ongoing IT development projects
- Assisted in maintaining user and system requirements documentation
- Worked with IIS Servers, Docker Containers, and SQL databases
- Extended Functionality of Internal Websites used by IT Department

## SKILLS

Java

Python

C++

C# .NET

Javascript

Spring

Android

TensorFlow

SQL

Git

JIRA

Docker

Selenium

MS Azure

Agile

MVC

TDD

SDLC

## PERSONAL PROJECTS

JobArc System (Java, SQL) [🔗](#)

- Honours Project: Online Job Board System
- Application Stack consisting of Android UI + Spring REST Api + MySQL Database, localhost connection

Tile-Rummy Multiplayer Game (Java) [🔗](#)

- Multiplayer Rummikub board game developed using TDD principles. Networked via. TCP (sockets)
- Includes Cucumber & Parameterized JUnit Tests

Elevator System Simulator (Java) [🔗](#)

- Multi-threaded Elevator System (shared memory, synchronization and scheduling of Java threads)
- UDP inter-process socket communication between Floor, Scheduler and Elevator Subsystems.

Android YouTube Player (Java) [🔗](#)

- Android app with embedded YouTube player. Search & watch YouTube videos (Google APIs)

AI Smile Detector (Python) [🔗](#)

- Real-Time Smile Detection on photos & videos using Convolution Neural Networks (PyTorch)
- CNN model trained with over 15,000 images

SCAPES COMPILER (C++, Qt Framework) [🔗](#)

- A low-level programming language (SCAPES), similar to x86 Assembly Code
- Implemented small-scale compiler for compiling and executing programs written in SCAPES syntax

## INTERESTS

Cars

Basketball

Photography

Video Games

Doughnuts