

# NILOY KUMAR GHOSH

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## TECHNICAL SKILLS SUMMARY

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**LANGUAGES:** C, Java, JavaScript, Python, HTML, CSS

**OPERATING SYSTEMS:** Windows, Linux Debian, Mac OS

**DEVELOPMENT TOOLS:** Git, Visual Studio Code, Sublime Text, IntelliJ, Figma, Microsoft Office

### OTHER:

- **Possess** extensive experience in writing C programs along with the ability to work with pointers, data structures, and algorithms.
- **Excellent** knowledge of object-oriented programming and mathematics.
- **Ability** to work in a team, possess exceptional communication, organizational, and writing skills.

## PERSONAL PROJECTS

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### COURSE SCRAPER

Dec 2019

- Developed a University of Guelph Course Scraper which lists the course title, course credit, course prerequisites, and course restrictions from the undergraduate student calendar at the University of Guelph website.
- Created using Python.
- Used the BeautifulSoup library to scrape the website and used the pandas library to load the data into a CSV file.

### PERSONAL PORTFOLIO WEBSITE

Oct 2019 – Dec 2019

- Developed a personal portfolio website from scratch.
- Created using HTML, CSS, and JavaScript.
- Demonstrated Flat Design Techniques for the User Interface and created various animations using the jQuery library.

### FLESCH INDEX CHECKER

Jan 2019 – Mar 2019

- Developed a Flesch Index Checker that acts as a simple tool to gauge the legibility of a document without using linguistic analysis.
- Created using C along with dynamic programming and modular programming techniques.
- Demonstrated the use of pointers, file handling, and dynamic memory.

## EDUCATION

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### BACHELOR OF COMPUTER SCIENCE(CO-OP)

Sep 2018 – May 2023

#### UNIVERSITY OF GUELPH

Minor: Mathematics

*Key Academic Projects:*

### DUNGEONS AND DRAGONS GAME TOOLKIT

Sep 2019 – Dec 2019

- Developed a GUI application for the game that generates a Dungeon Level description for the Dungeon Master.
- Created the dungeon levels using Java and used JavaFX for the Graphical User Interface.
- Demonstrated the Single Responsibility Principle and tested the program using JUnit.

*Awards and Scholarships:*

### UNIVERSITY OF GUELPH ENTRANCE SCHOLARSHIP

Sep 2018 – Apr 2019

- Awarded for having an admission average of 90% (\$7500 CAD).

### DEAN'S HONORS LIST

Sep 2018 – Dec 2019

- An academic distinction awarded by the University of Guelph to students across different faculties to recognize their strong performance and commitment to academics (GPA > 80%).

## WORK EXPERIENCE

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### OSMOW'S SHAWARMA

Aug 2019 – Nov 2019

Crew Member, Guelph, ON, Canada

- Collaborated with a team of six to provide high-quality food to clients.
- Provided good client services while taking orders.