

# GOLSA MOMENI

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## EDUCATION

Bachelor of Science, Computer Science | Expected Graduation: June 2027 | **CGPA: 3.52/4.33 CGPA**  
Toronto Metropolitan University (formerly Ryerson) – Toronto, ON

- Relevant Coursework: Object-oriented Programming, Computer Organization, Data Structures and Algorithms, Calculus, Discrete Mathematics, Linear Algebra

## WORK EXPERIENCE

### Line Cook - Canada's Wonderland

**December 2022(Seasonal)**

- Prepared multiple orders simultaneously during peak periods with a high accuracy rate, maximizing customer satisfaction.
- Reorganized cooking procedures for more efficient food preparation, resulting in a 15% reduction in wait time, and 15% increase in table turnover.

## VOLUNTEER EXPERIENCE

### Private Tutor

**January 2023 - March 2023**

- Assisted ten students with understanding the principles and fundamentals of digital system design and Python, resulting in a 30% increase in their grades.
- Optimized lessons, increasing learning efficiency in 30-minute sessions, providing notes and take-home reading material.

### Blog Writer - Finer Future Foundation

**August, 2023 - Present**

- Demonstrated exceptional writing skills by crafting engaging and empathetic blog articles that shed light on the experiences and challenges faced by individuals experiencing homelessness.
- Conducted in-depth research to gain a comprehensive understanding of the multifaceted issues surrounding homelessness, ensuring accurate and informative content.

## PERSONAL PROJECTS

### Audio App Simulator | Java

**April 2023**

- Utilized IntelliJ IDEA to develop an audio app simulator using Java, demonstrating strong problem-solving and creativity in managing audio content of various types such as songs, audiobooks, and podcasts.
- Implemented complex algorithms and calculations as well as OOP to add functionalities to the app such as downloading audio content, creating playlists, playing songs, and searching content by name of the artist.

### Encryption Scheme (Cryptography) | Python

**November 2022**

- Implemented an elementary encryption scheme using Python, allowing the encryption and decryption of messages between two people using the encryption algorithm, decryption algorithm, and a shared key.
- Developed functionalities based on permutation encryption scheme, enabling users to enter both plaintexts, ciphertext, and the key.

### Role of ChatGPT in Academia | Python, Excel

**May 2023**

- Collaborated and communicated with a team of 4 to conduct a survey regarding the role of ChatGPT in Academia. Hosted consecutive meetings to effectively lead team members and assign specific roles to each individual.
- Utilized CSV files and the NumPy library in Python to implement bar charts and diagrams to showcase the results of surveys based on categories such as Role in Academia, Program of study, and Year of study.

**Snake Game | Java****April 2023**

- Designed and optimized a Snake game using Java. Leveraged Java functionalities for the optimal user interface, enabling users to view their scores on the top of the screen.
- Utilized self-learning to implement object-oriented programming principles to develop the game, including the use of classes, inheritance, and polymorphism to create a flexible and modular codebase that is easy to maintain and extend.

**Portfolio Website | HTML, CSS, JavaScript****October 2023**

- Designed and developed a personalized portfolio website from scratch, employing HTML, CSS, and JS, to showcase a collection of personal projects, skills, and achievements, with a focus on interactive user experience and visual aesthetics.
- Integrated custom CSS styles and animations to enhance the visual appeal and user engagement of the website.

**INVOLVEMENT/CLUBS****Coding and Algorithm Club - General Member****January 2023 - Present**

- Contributed to a positive team culture by fostering open communication and providing constructive feedback to team members, resulting in a supportive environment.
- Actively participated in the club, honing programming and critical thinking skills as well as communication and collaboration skills.

**TMU Visual Artists Association - General Member****November 2022 - April 2023**

- Collaborated with other members to participate in events, showcasing artistic skills and promoting creativity.
- Participated in various art workshops offered by the club, expanding my knowledge of different art forms and techniques.

**SKILLS****Technical Skills:** Java, Python, C, HTML, CSS, Javascript, Linux, Microsoft Office, Git, GitHub**Developer Tools:** IntelliJ IDEA, VS Code, Eclipse, Spyder, Emacs, Vim, PyCharm**Languages:** Fluent in English and Farsi**LICENSES AND CERTIFICATIONS**

Linux Fundamentals - Coursera

**October 2023**