GOLSA MOMENI

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EDUCATION

Toronto Metropolitan University (formerly Ryerson) | Expected Graduation: 2026   Toronto, ON

Bachelor of Science in Computer Science   CGPA: 3.33/4.33

Relevant Coursework: Introduction to Unix & C, Computer Organization, Data Structures, Operating Systems, Calculus and Computational Methods, Discrete Mathematics, Communication in the Computer Industry

PERSONAL PROJECTS

Food Managing App | HTML, CSS, React JS, Context API, Spoonacular API GitHub   **February 2024**
- Developed a food management app, utilizing React state management, lifecycle methods, and event handling. Implemented features for API data fetching and performance optimization using React hooks.
- Utilized React hooks like useCallback and useMemo to optimize performance, integrated local storage for efficient data management, ensuring a smooth user experience.

Weather App | Python, Weather API GitHub   **February 2024**
- Developed an interactive weather application using Python, integrating the OpenWeatherMap API to retrieve real-time weather data based on user-inputted ZIP codes.
- Implemented advanced functionality in the weather application to display temperature, wind speed, and "feels like" conditions, providing users with a detailed overview of the current weather conditions.

Portfolio Website | HTML/CSS GitHub   **October 2023**
- Designed and developed a personalized portfolio website from scratch, employing HTML and CSS, showcasing a collection of personal projects, problem solving skills, and achievements.
- Integrated custom CSS styles and animations to enhance the visual appeal and user engagement of the website, resulting in a **50% rise** in user engagement.

Audio App Simulator | Java GitHub   **April 2023**
- Utilized Java to develop an audio app simulator, demonstrating strong problem-solving in managing various types of audio content(songs, audiobooks,podcasts).
- Leveraged OOP to add functionalities to the app such as downloading audio content, creating playlists, and playing songs, contributing to a **40% improvement** in app usability.

Encryption Scheme | Python GitHub   **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.

LICENSES AND CERTIFICATIONS/ACHIEVEMENTS

Linux Fundamentals - Coursera   Introduction to Microsoft Azure Cloud services - Coursera

Google Foundation of Cybersecurity - Coursera   Student Access Guarantee Bursary(Winter 2024)

SKILLS

Languages: Java, Python, C, HTML/CSS, JavaScript, TypeScript, Bash Scripting

Developer Tools: Docker, Git, Github, IntelliJ IDEA, VS Code, Eclipse, Spyder, Emacs, Vim, PyCharm

Libraries: NumPy, Matplotlib, TensorFlow

Frameworks: Flask, NodeJS, ExpressJS, React/Angular

INVOLVEMENT/CLUBS

Private Tutor   **January 2023 - March 2023**
- Assisted twenty students with understanding the principles and fundamentals of Digital System design and Python, resulting in a **35% increase** in their grades.