LABIB SARWAR

Computer Science Student

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TECHNICAL SKILLS

Programming Languages
- Python, Java, C++, JavaScript, HTML, CSS, ARC Assembly

Computer Networking
- Experience in configuring switches, routers, and end devices in a network with Cisco.

Technologies and Software
- Pygame, Visual Studio Code, Pycharm, Spyder, Arduino, AutoCAD, PacketTracer, Python Tkinter, Autodesk TinkerCAD, Microsoft Word, PowerPoint, and Excel.

Web Development
- Experience creating a responsive website using HTML, CSS, and JavaScript

Concepts
- Object-Oriented Programming, Recursive Programming, Electrical Circuitry, Game Development, Memory Registers

EXPERIENCE

Undergraduate Science Society of Toronto Metropolitan (USSTM)   November 2023 - Present
Yearbook Committee - University Extra-Curricular

SATEC @ W.A. Porter Collegiate Institute   September 2022 - June 2023
Peer Tutor

EDUCATION

Toronto Metropolitan University (formerly Ryerson)   *September 2023 - Present*
B.Sc. (Honours) in Computer Science   *Toronto, Canada*
Coursework:
Discrete Mathematics, Computer Organization I/II, Computer Science I (**Python**), Computer Science II (**Java**), Calculus I
Overall GPA: 4.13/4.33

PROJECTS

Stranded (Game Development) -
- Stranded is a **Python** project that is a game about a character lost in space. The objective of the game is for the user to complete a series of levels to get its character to the end.
- Used **pygame** library on **Python 3.0** to develop user-interactive 2-D world explore game.

Personal Portfolio (Web Development) -
- Used **HTML, CSS,** and **JavaScript** to design a responsive and mobile-compatible personal portfolio website.

Traffic Light Simulator (Arduino Circuitry and Programming) -
- This is an **Autodesk TinkerCAD** design that includes a simulation for a programmed **Arduino** that implements a light pattern on a circuit to simulate a four-way traffic light.
- Used **C++** programming language to code Arduino microcontroller

COMPETITIONS

- Waterloo Canadian Computing Competition - 2023
- Euclid Mathematics Contest - 2023
- Canadian Senior Mathematics Contest - 2022
- Avogadro Chemistry Exam - 2022

CERTIFICATIONS

Cisco Certified Network Associate (CCNA I)   *I*ssued May 2022 by Cisco Networking Academy