Syed Saheer Multani

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EDUCATION

Toronto Metropolitan University   Toronto, ON
Bachelor of Engineering in Software Engineering   *September 2022 – Present*
- Data Structures and Algorithms
- Object Oriented Programming
- SWE Principles

EXPERIENCE

BIM 360 Software Developer   May 2024 – August 2024
Loblaw Comapnies Limited   *Brampton, ON*
- Developed a full-stack integration using Node.js and Express.js for Autodesk BIM 360, enabling seamless addition of up to 425+ users to a project with a frontend with HTML/CSS
- Developed an additional full-stack integration for Autodesk BIM 360, enabling seamless addition of a singular user to 3500+ projects in BIM 360 through API calls
- Used Smartsheet APIs to create an application using Node.js that can perform tasks such as updating/moving rows and columns, etc.
- Developed tools to automate workflows and streamline Smartsheet formulas and processes
- Conducted detailed audits of store plans to ensure accuracy in shelving arrangements, door models, office item specifications, and other critical elements

PROJECTS

Personal Website | *JavaScript, HTML, CSS, GitHub Pages, VS Code*   August 2024 – Present
- Developed a website using HTML, CSS, and JavaScript
- Implemented the game "2048" into the website
- Used GitHub Pages to host the website

FormatX | *Python, Tkinter, VS Code*   June 2024 – September 2024
- Developed a Python application that can convert various file formats into other formats
- The application can also merge various pages together in any desired order
- Implemented a GUI using Tkinter
- Implemented abstraction to reduce complexity and increase efficiency

Banking Application | *Java, JavaFX, Apache Netbeans*   March 2024 – April 2024
- Developed a bank application using Java and Object Oriented Principles that has two user types, Manager and Customer
- Implemented manager/customer login authentication using Abstraction
- Developed a GUI for easy access using JavaFX
- A Customer can perform various tasks such as login, logout, deposit, withdrawal, online purchase(s), etc.
- A Manager can perform tasks such as login, logout, add customer, delete customer, etc.

General-Purpose Processor | *VHDL, FPGA, Quartus*   November 2023 – December 2023
- Designed an Arithmetic and Logic Unit in a VHDL environment and implemented it on an FPGA Board
- Utilized Quartus to build block diagrams and utilized VHDL to program certain components
- Utilized Storage Latch Units to temporarily store input values before passing it further
- Used a 4x16 Decoder to interpret the instructions and set the tasks into motion

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, VHDL, MATLAB
Frameworks: Node.js, Express.js, JavaFX
Developer Tools: GitHub, VS Code, Visual Studio, IntelliJ, Eclipse, Quartus, Apache Netbeans
Libraries: Tkinter, Python Imaging Library (PIL), Axios, JQuery, Select2