MARIA ZAKIR LABEEBA

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SUMMARY

- Currently pursuing a B.Eng in Computer Engineering at Toronto Metropolitan University, showcasing expertise in Algorithms, Object-Oriented Design, and Microprocessor Systems.
- Results-driven student with a passion for front-end development, demonstrating proficiency in C, Java, and Python, and holding certifications in Unix, Git/GitHub, and SQL.
- Possesses excellent communication skills, problem-solving abilities, and a collaborative mindset, showcasing adaptive versatility for seamless collaboration in diverse project environments.

EDUCATION

Bachelor of Engineering (B.Eng): Major in Computer Engineering   Toronto, ON
Toronto Metropolitan University *(formerly Ryerson University)*

Certification: IEEE Computer Society - Unix, Git/GitHub, SQL, Python
Relevant Coursework: Algorithms and Data Structures; Object Oriented Eng Analysis and Design; Database Systems; Microprocessor Systems; Computer Architecture; Operating Systems; Advanced Algorithms

TECHNICAL SKILLS

Languages: C Programming, Java, JavaScript, Python, Assembly, VHDL, SQL, MATLAB, HTML/CSS

Software Applications & Operating Systems: MultiSim, Netbeans, VSCode, Quartus, Geany, Git, Oracle, Windows/Linux/Unix OS, Oracle Apex, SQL Developer, MS Office

UNIVERSITY PROJECTS

Movie and Music Store DBMS   Sept 2023 – Dec 2023
- Led a comprehensive three-phase project to develop a DBMS for a movie and music store, showcasing expertise in logical design, SQL implementation, and Unix Shell scripting.
- Successfully created an intuitive web-based UI, ensuring 3NF/BCNF normalization and incorporating advanced features, earning extra marks for innovation.
- Utilized Oracle APEX for the DBMS interface, ensuring a user-friendly experience with intuitive design and functionality.

Peer-to-Peer Application   Sept 2023 – Dec 2023
- Developed P2P application enabling seamless content sharing through an index server
- Implemented UDP for efficient peer-to-peer and index server communication, and TCP for content download between peers
- Utilized a structured 8 PDU types format, including content registration, download, search, de-registration, data, online registered content, acknowledgement, and error

Book Store Application   Jan 2022 – Apr 2022
- Developed a JavaFX-based Book Store Application with a single-window GUI, allowing users to manage books and customers efficiently.
- Implemented data persistence by saving and loading information from relevant files ensuring data integrity
- Designed a secure login system for Owners and Customers, enhancing user access control.

WORK EXPERIENCE

First Year Engineering Office   Sept 2022 – Dec 2023
Introduction to Engineering Project Manager @ Toronto Metropolitan University
- Supervised and mentored three teams of first-year engineering students in Fall 2022 and Fall 2023.
- Collaborated with Teaching Assistants to create an engaging and structured learning atmosphere.
- Demonstrated strong leadership, time-management, and communication skills throughout the role.

Apple   Apr 2021 – Aug 2021
Technical Support Advisor (Contracted by Teleperformance) @ Remote
- Provided technical support to Apple customers, resolving complex issues across various devices.
- Utilized methodical troubleshooting and clear communication to exceed customer expectations.
- Thrived in a dynamic, fast-paced environment, collaborating within a team to deliver exceptional customer service and technical solutions.