Muhammed Burhan

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EDUCATION

Carleton University   **Expected Graduation: May 2026**
Honours Bachelor of Computer Science, Co-op Education   ***11.55/12.0 CGPA***

- Specializing in AI and Machine Learning - Deans' Honour List Student

- Relevant Coursework: Python Programming, Java Object Oriented Programming, Web Development, Data Structures & Algorithms, Systems Programing, Linear Algebra, Discrete Mathematics I & II , Calculus I & II

EXPERIENCE

Mathematics Tutor (Remote)   June 2021 – Present
Brookfield Highschool   *Ottawa, ON*

- Developed dynamic teaching styles for Mathematics, such as visual representations and real-world examples, resulting in a notable 59% increase in student participation, motivation, and overall success

Telecommunications Sales Representative   May 2023 – July 2023
TSM Inc.   *Ottawa, ON*

- Handled initial customer inquiries, freeing up sales representatives for more complex interactions and increasing overall efficiency by 20%.
- Prioritized customer service and satisfaction by 23%, consistently exceeding expectations through personalized consultations, problem-solving, and machine learning algorithms.

PROJECTS

GhostBusters | *C, Ubuntu Linux*

- Utilized Git for efficient version control, enhancing team collaboration on a sophisticated multithreaded simulation project, where individual threads were assigned to ghosts and hunters.
- Implemented mutexes preemptively to guarantee thread safety and address possible deadlocks and intricate concurrency challenges associated with each hunter and ghost.

Java Collections Code Problems | *Java, IntelliJ*

- Demonstrated advanced proficiency in Java Collection Framework, crafting customized solutions for diverse coding challenges, showcasing adaptability and strong problem-solving skills.
- Implemented data structures and algorithms with a focus on achieving efficient runtime and space complexity, resulting in highly performant solutions that significantly improved program efficiency

PuzzlifyPro | *Javascript, HTML/CSS, Node.js*

- Innovated and developed an engaging interactive app, enabling users to solve puzzles by intuitively rearranging words on the canvas using their cursor.
- Collaborated in team efforts to integrate server-side validation, ensuring accurate assessment of rearranged words for correct puzzle solutions, highlighting both individual and collaborative skills.

TECHNICAL SKILLS

Languages: Java, Python, C, C++, SQL (Postgres), JavaScript, HTML/CSS, Ruby, Virtual Box
Frameworks: React, Node.js, MongoDB, Django, Flask, NumPy, Pygame, Pandas, Linux
Developer Tools: Git, Github, VS Code, NetBeans, PyCharm, IntelliJ, Eclipse
Soft Skills: Communication, Time Management, Adaptability, Team Player, Leadership, Problem Solving