Muhammed Burhan

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EDUCATION

Carleton University — **Expected Graduation: May 2026**
Honours Bachelor of Computer Science, Co-op Education — ***11.3/12.0 CGPA***

- Specializing in AI and Machine Learning — Deans' Honour List Student
- Relevant Coursework: Introduction to Computer Science I & II, OOP, Web Programming, Data Structures & Algorithms, Applied Statistics, Linear Algebra, Discrete Mathematics, Calculus II

EXPERIENCE

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

- Crafted dynamic teaching styles, such as visual representations and real-world examples, resulting in a notable 59% increase in student participation, motivation, and overall success
- Developed customized educational worksheets and resources that resulted in a significant improvement in students grades

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

- Implemented AI-driven chatbots to handle 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

WordBust | *Python, Pygame, VsCode*

- Developed a captivating Python-based game inspired by the renowned New York Times Wordle, utilizing the Pygame library and Visual Studio Code for implementation.
- Leveraged the Pygame library and Visual Studio Code to create an engaging and interactive gaming experience, user input, and logic seamlessly.

Dijkstra-Pathfinding-Visualizer | *Python, Pygame, VsCode*

- Developed a robust application to dynamically visualize the Dijkstra's pathfinding algorithm's traversal between two specified points on a grid
- Contributed to a team project, refining the Dijkstra visualizer through active communication and shared problem-solving

Electronic Store Program | *Java, JavaFx, IntelliJ*

- Collaborated in a team to enhance an electronic program, applying OOP principles to optimize product management and storage.
- Employed advanced data structures to optimize product storage, enhancing program efficiency by 45%

TECHNICAL SKILLS

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