Maham Mir

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SUMMARY OF SKILLS

Programming Languages: Java (OOP), Python, HTML/CSS, ARM Assembly, JavaScript, SQL
Developer Tools/Frameworks: Git, IntelliJ, VSCode, PyCharm, JavaFX, GitHub, Flask, Linux

EDUCATION

Bachelor of Science, Computer Science   **Sept. 2023 - Present**
University of Calgary, Alberta
- Dean's List (2024 & 2025), Jason Lang Scholarship (2024), Science Co-op & Internship Program
- Relevant Coursework: Data Structures & Algorithms, Information Privacy & Security, Introduction to Computer Science, Computing Machinery, Theoretical Foundations of Computer Science, Software Engineering

PROJECTS

Find My Resources | Python, Flask, SQL Alchemy, HTML/CSS, JavaScript, Folium/Leaflet.js   **June 2025 – Present**
- Designing and building a community-based web app that helps users discover local support resources through an interactive and geolocated map interface, with relational database models to manage profiles and geographic coordinates
- Currently integrating search/filter functionality and user-submission features to boost platform accessibility

OMG Platform | Java, JavaFX, Git   **January 2025 – April 2025**
- Designed and developed a multi-game desktop platform (Checkers, Connect4, Tic Tac Toe) as part of the Software Engineering 300 course, featuring user authentication, AI opponents, and matchmaking
- Implemented player statistics tracking and leaderboard ranking, resulting in increased user retention and competitive gameplay experience

Basketball Tracker | Java, JavaFX, Git   **February 2024 – April 2024**
- Built a full-stack basketball analytics app using Object Oriented Programming principles for the Introduction to Computer Science course, enabling real-time tracking of player and team stats like points, assists, and blocks
- Created a dynamic leaderboard system that ranked players based on user-selected metrics, enhancing performance analysis

RELEVANT EXPERIENCE

Indicium Research Mentee   **January 2025 – July 2025**
STEM Fellowship, Calgary, Alberta
- Developed a machine learning model with a group of 3 students that supports retinal disease diagnosis using OCT scans, achieving 89% accuracy under the mentorship of Dr. Bin Hu with Open Digital Health
- Presented findings at the Indicium 2025 Conference to 100+ attendees, delivering a technical talk on AI applications in healthcare, and gaining applied research experience in interdisciplinary AI

Junior Executive   **January 2025 – Present**
Artificial Intelligence Club, Calgary, Alberta
- Curated and summarized leading-edge AI papers for the monthly newsletter, simplifying complex ideas for a 50+ club member audience and increasing readership engagement
- Coordinated and promoted events including speaker panels and networking workshops, resulting in a 15% increase in event turnout and overall club participation

Guest Ambassador   **July 2025**
The Calgary Stampede, Calgary, Alberta
- Delivered exceptional guest experiences for 5000+ attendees by resolving on-site issues and ensuring crowd safety, contributing to a smooth event operation
- Trained in customer service and crowd management protocols, reinforcing brand reputation while promoting Calgary Stampede's western hospitality

Science Mentor   **September 2024 – Present**
Science Mentorship Program, Calgary, Alberta
- Mentored first-year science students on academic strategies and campus resources by sharing personal experiences and study habits, helping them ease their transition to university
- Organized and led monthly mentorship sessions focused on academic and career development, fostering a supportive and growth-oriented environment