

Alishba Mateen

alishba.mateen@gmail.com • 647-456-8423 • [LinkedIn](#) • github.com/alishbamateen

EDUCATION

The University of Toronto | Toronto, ON |

Computer Science, Mathematics, & Statistics

Relevant Courses: Intro to CS, Computer Programming, Computer Science, Software Design, Theory of Computation, Software Tools and Systems Programming

TECHNICAL SKILLS

Programming Languages: Python (Advanced), Java (Advanced), C (Advanced), SQL (Advanced), HTML (Advanced), CSS(Advanced)

Frameworks & Tools: React, Node.js, TensorFlow, Keras, JavaFX, Streamlit, Git, Docker, Agile (Scrum), Tableau, Pandas, Numpy, Matplotlib

Operating Systems: Windows, Mac OS, Linux

Skills: Object-Oriented Programming, Data Structures and Algorithms, Design Patterns, Machine Learning & AI, Problem-solving and critical thinking, Team collaboration and communication, Time management and organization.

LICENSES & CERTIFICATES

Data Analytics Professional Certificate | Google, Coursera

Feb 2025

- Completed an 8-course certification covering data cleaning, analysis, and visualization using tools like SQL, R, and Tableau.
- Gained hands-on experience with spreadsheets, databases, and data-driven decision-making techniques.
- Applied statistical techniques and data storytelling to communicate insights effectively.
- Developed a capstone project analyzing real-world datasets to solve business problems.

PROJECTS

Paint Program | Java, JavaFX, Scrum, Ollama, LLM

Oct 2024

- Collaborated in a team to engineer a Paint Program in Java with JavaFX, applying OOP principles and advanced design patterns to support an extensive set of drawing tools and customizable shape objects.
- Implemented real-time rendering for a variety of shapes, including rectangles, ellipses, and freeform paths, with dynamic methods for editing, scaling, and color adjustments, optimizing user interactivity and control.
- Designed and integrated an AI-powered feature using Ollama, enabling the program to suggest enhancements or generate artistic patterns based on user input, enhancing creativity and streamlining the design process.

Ride-Sharing Service | Python, OOP

Jun 2024

- Engineered a Python-based simulation modeling ride-sharing scenarios with object-oriented principles to optimize rider and driver interaction.
- Enhanced system scalability and modeled dynamic dispatch strategies, supporting the development of real-world marketplace systems.

Nutrovision - Collaborated Hackathon Project | Python, TensorFlow, Keras, Streamlit

Mar 2024

- Developed an AI-powered recipe app, winning the Best Health & Wellness Hack award at hackHer 2024.
- Built a Convolutional Neural Network (CNN) to recognize ingredients with 98.36% accuracy, contributing to real-time feature development.
- Integrated external APIs and optimized user experience through Streamlit, enhancing interactivity for a large user base.

LEADERSHIP ROLES

VP of Finance | The Citizens Foundation at UTM | Mississauga ON

May 2024 - Present

- Managed financial tracking and budget allocation for fundraising initiatives, ensuring cost-efficient resource usage and maximizing organizational impact.
- Collaborate cross-functionally with event teams to drive results, demonstrating problem-solving and growth mindset to achieve organizational goals.