

Sabia Irfan

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EDUCATION

McGill University

Bachelor of Science Computer Science Major, AI Concentration, Math Minor

Expected Graduation 2027

EXPERIENCE

Ottawa University, Research Assistant (Professor Diana Inkpen and Professor Jane Tyerman)

May 2024 - Present

- Developed a debriefing chatbot using Python, Flask, SQLAlchemy, OpenAI, SocketIO, JavaScript, HTML, CSS, and OS.
- Livestream chatbot enabled real-time communication between the clients and the server, storing chat history in a database.
- Created an avatar through Convai.com and constructed a Flask application to communicate to it through its API
- Closely collaborated and presented weekly self-written documentation for project-related code to professors and co-workers.

Artificial Intelligence Governance & Safety, Volunteer

July 2024- Present

- Pursuing the "Canadian AI Policy Course" offered by AIGS Canada to study societal-level and global risks arising from AI

Women in Technology, Communications Ambassador & Mentee

July 2024 - Present

- Responsible for writing content, developing the club newsletter, and promoting the organization through social media
- A rigorous and enriching mentorship to advance students in the technology industry.

McGill Business Review, Contributor

March 2024 - Present

- Write analytical and investigative articles for the finance and markets section.

Ottawa Citizen, Contributor

May 2021 - Present

- Wrote four opinion articles for Ottawa's top news outlet to raise awareness and recognition of topics in the OCDSB.

New York Times Summer Academy, Fellow

July 2022

- Selective journalism program shepherded by the Times for ambitious students.

PROJECTS

- Coded AI models of SVM, KNN, linear regression, decision trees, and gradient descent in Python.

DISTINCTIONS & MENTORSHIPS

A Time to Fly, Co-Author

June 2022

- Co-authored "A Time to Fly," an anthology of short stories/poems; 'Top 5 Poetry Books Ranking' on Amazon.

Awards (National, International & Provincial)

- Received 15+ awards, including honourable mentions and first from **Youth Journalism International** (May 2022 & 2023), finalist and national winner in the **NASA Scientist For A Day Competition** (June 2020 & 2021), and second in the **Young Reporters for the Environment Competition** (April 2020).

Journalism Mentorships

- **Shared Bylines Mentorship Program** (August 2024 - Present) & **CAJ Mentorship Program** (December - January 2021)

COURSES (Udemy)

- REST APIs with Flask and Python in 2024 (HTTP methods, building Flask applications, API endpoints, SQLAlchemy)
- Python AI - Simply Explained Hands-On (Python machine learning, python data science, data preparation, projects)
- Javascript Essentials (Syntax, operators, objects, Document Object Model manipulation)

SKILLS

- **Programming Languages/Frameworks:** Python, Java, JavaScript, HTML, CSS, Flask
- **Developer Tools/Technologies:** Linux, Git, Visual Studio Code, Spyder, Thonny, Python Launcher
- **Languages:** English & French