



# Arshia Sharifi

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## SUMMARY OF QUALIFICATIONS

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- Proficient in programming languages Python, Java, C/C++, Linux, and JavaScript in addition to sublime knowledge of web technologies such as **CSS, HTML, Django, WordPress, SQL, JQuery, Angular**, and more.
- Over 3 years of experience using Python which I have cultivated through my involvement in a personal **Django**-text editor, a **Pygame** dinosaur run game, resulting in an A+ performance in Computer Science I.
- **Team player** expert in facilitating exercises such as sprint planning and team-leading standups.
- Exceptional **communication, leadership, and adaptational** skills manifested through tutoring 20+ students per year, effectively addressing their academic needs and creating a supportive environment.

**Frameworks:** Panda, Matplotlib, AWS, React, Node.JS, Django, JQuery, Microsoft Suite, Git, Flask, Spring Boot

**Languages:** C/C++, Python, Java, Javascript, Typescript, CSS/HTML, SQL, Verilog, Ruby, Linux

## EDUCATION

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**Bachelor of Science (BSc) Computer Science (Co-op):** 4.14/4.33 **CGPA** Sept 2022 - Exp. May 2026  
Toronto Metropolitan University

- **Awards:** UMA Foundation Award, Dean's Honours (2022), Entrance Scholarship, French minor
- **Relevant Courses:** Web Systems Development, Data Structures, Data Mining
- **Activities:** Algorithms and Coding Club, CPP North, Game Makers Union

## PROJECTS

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**Data Analysis** | *Python/Matplotlib* [\[Source\]](#)

- A data collection involving 100+ people to find their view on the ethicality of ChatGPT.
- Utilized NumPy for data manipulation and leveraged Matplotlib as a visualization tool to generate graphical representations illustrating correlations among gender, age, and occupation.

**Password Generator** | *React.js/Node.js* [\[Demo\]](#)

- Enable users to create strong passwords with various combinations of characters, including uppercase and lowercase letters, symbols, and numbers.
- Designed as a learning tool for full-stack programming, it taught me how **Node.js** handles **HTTP requests** to interact with **React.js** and **Bootstrap** to create dynamic web applications.

**Text Editor** | *Python/Django* [\[Source\]](#)

- A text editor based on Django that enables formatting, deleting, and customizing text.
- Developed a dynamic web application using **Django** and **JavaScript** for feature-rich user experiences, **jQuery** for client-side interactions, and integrated **SQLite** for database migration.

**Location Timeline Heatmap** | *Python/Flask* [\[Source\]](#)

- A web application to generate an interactive heatmap of location history in **LocationHistory.json**.
- Interface designed using **JS, HTML, CSS**, launched on **Flask** with **.idea** extension for development.
- Utilized Flask to implement a **RESTful API**, integrated **GeoJSON** for data representation, leveraged **Leaflet** for interactive map visualization and templating for dynamic interface generation.

## WORK EXPERIENCE

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**Tutor** Nov 2022 - Jan 2024

Inspiration Learning Center - Markham

- Crafting dynamic lesson plans, enhancing comprehension and motivation in 87% of 16 students across 5 university-level courses instructed.
- Managing a team of 3 instructors to organize classes for 10 students with a 90% retention rate.