

# Mahek Cheema

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## EDUCATION

### University of Toronto, St. George Campus

Toronto, ON

Honours Bachelor of Science in Computer Science

Graduating 2026

- **Relevant Courses:** Foundations of Computer Science I, Foundations of Computer Science II, Calculus with Proofs, Economics, Linear Algebra I

### Turner Fenton Secondary School

Brampton, ON

International Baccalaureate Diploma Program

- Graduated with 97% average | Received the IB Diploma with a Score of 40/45

## WORK AND VOLUNTEER EXPERIENCE

### MLH Fellowship - Meta

Brampton, ON

Site Reliability Engineer Intern

Jun 2023 - Sep 2023

- Collaborated closely with a multidisciplinary team of engineers to optimize the reliability and performance of web applications and systems using Flask, Jinja, HTML and CSS
- Worked alongside experienced Meta engineers who provided mentorship and guidance, enabling rapid skill development and fostering a strong understanding of industry best practices

### PepsiCo

Mississauga, ON

Finance Associate Coordinator

Apr 2023 - May 2023

- Processed 40+ bulk request orders using SAP MDG, reducing backlog and processing time
- Identified possibilities for cost reduction and performance improvement by analyzing PepsiCo vendors and reconciling customer accounts as part of a P&L study
- Maintained a high level of accuracy and attention to detail while meeting tight deadlines, ensuring the integrity and completeness of financial records

### Accelerated Tutors

Brampton, ON

Founder & Tutor

Sep 2020 - Present

- Organized employee schedules, assessed students strengths and needs, created promotional material
- Tutored a total of ten students and planned lessons in the subjects of mathematics and science to support students

### City of Brampton

Brampton, ON

Child Care Services Volunteer

Jul 2019 - Sep 2020

- Planned, organized and delivered high quality safe and stimulating care to all children
- Provided a high level of front line customer service including greeting and engaging children

### International Baccalaureate Mentorship Conference

Toronto, ON

Mentorship Developer

Mar 2022 - June 2022

- Helped organize a conference for current grade nine International Baccalaureate students in aims of helping students transition into the International Baccalaureate program
- Built strong and healthy relationships with delegates, lead a team of twenty grade nine students

## PROJECTS

### Personalized Reminder Application - Python

Jan 2022

- Used Twilio's SMS communication API and integrated it within our program to provide a personalized messaging reminder application, which received the "Most Creative Use of Twilio" award
- Incorporated a myriad of python commands, such as threading and sleep

### RhythmnRadar: Song Recommendation System

Apr 2023

- Developed a new algorithm based on the Euclidean distance formula that curates interactive playlists from a users current playlist while simultaneously putting emphasis on underground songs to support emerging musicians
- Employed the use of the graph abstract data type to model data from Spotify's database
- Utilized the Pandas Python library for data manipulating and analysis, simultaneously with the Tkinter library for developing an interactive user interface

## SKILLS, ACTIVITIES & ACHIEVEMENTS

**Skills:** Excel, Communication, Python, Python Libraries, Overleaf, Runtime Analysis, Data Entry, Leadership, Flask, Jinja, HTML, CSS, Pandas, Tkinter, Pygame, CI/CD, Unit Testing, Cryptography, Bash, Tmux, Shell

### Activities & Achievements:

- Academic Honour Roll - received in all four years of high school for achieving above a 95% average
- Canada Cord Award (May 2019) - Highest national award received as a Pathfinder in Canadian Guiding
- Ted Mossman Scholarship (Oct 2022) - Awarded by the University of Toronto

