

# HETU PATEL

Second Year Computer Science Student at Toronto Metropolitan University, ON

✉ [hetu.patel@torontomu.ca](mailto:hetu.patel@torontomu.ca) | [in www.linkedin.com/in/hetu-patel-cs-tmu](https://www.linkedin.com/in/hetu-patel-cs-tmu) | [github.com/Patel-Hetu](https://github.com/Patel-Hetu)

## EDUCATION

### Toronto Metropolitan University (Formerly, Ryerson University)

Jan 2023 - Present

**Bachelor of Science (Honours)**, majoring in **Computer Science** while working towards my **minor in Business Essentials**. *Toronto*

- Fundamentals of Computer Science, Computer Organization, Data Structures and Algorithms, Software Engineering, C and Unix/Linux, Ethics, Discrete Mathematics, Calculus, Linear Algebra, Probability and Statistics, Physics, Communication, The New Business: Idea to Reality, New Venture Startup, Critical Thinking, Forensic Science.

## EXPERIENCE

### StudyHere

Jan 2024 - Present

*Co-founder*

*Toronto*

- Co-founded StudyHere, a start-up based on the Lean Method of Startups following the 100 Steps 2 Startup under the mentorship of Sean Wise, contributor to the research and founding of the Lean Method of Startup under Steve Blank.
- Current Stage: Collected the customer segment, Incorporated the startup and currently am working on the website.

### Software Developer Intern

Jan 2024 - Present

*Toronto*

SEAPAX [Students' In Residence Program at Zone Learning]

- Currently developing, and maintaining the entire product and information website for SEAPAX independently, showcasing initiative and self-reliance.
- Currently engineering responsive software solutions, leading to a 100% improvement in website functionality and supporting seamless B2B operations.

### Vice President Education

Dec 2023 - Present

*Toronto*

Toronto Metropolitan Students' Union - Advocating 40,000+ full time undergraduate students at TMU

- Representative of the organization in external collaborations and provisional-federal conferences and the one to address the media requests on regular basis.
- Lobbying** university administration on academic issues, **leading campaigns** addressing member concerns and representing the corporation in community coalitions and through regular **engagement** with course unions, student groups, and **town halls**, I prioritize **open dialogue**. Conducting surveys and research, I ensure every student's voice is integral to our academic community's decisions.

### Scotiabank - UNLOCK YOUR FUTURE 2024

Jan 2024 - Present

*Toronto*

Women in Technology Mentorship and Development Program - Scotiabank

- Chosen for Scotiabank's Women in Technology Mentorship Program, demonstrating a commitment to tech advancement.
- Gained a mentor for personalized guidance, actively participating in workshops, and offering unique insights on women's experiences in technology.

### Software Engineer Internship

Sept 2022 - Dec 2022

*India*

Invision Software Solution

- Led three **Python-based development projects**, resulting in a **20% improvement in overall project efficiency**.
- Achieved a **98% precision rate** in task execution, contributing to client satisfaction and project success.
- Implemented innovative solutions leading to a **15% reduction in application response time**, saving operational costs equivalent to \$18,000.

### The Zero Experience

Jan 2024 - Feb 2024

*Toronto*

Zone Learning - Toronto Metropolitan University in collaboration with the University of Waterloo [Received Certification]

- Selected for The Zero Experience, a competitive **three-week program** focused on mastering **problem-solving** and networking with professionals. Aiming to cultivate innovation, I'll engage in interactive workshops to enhance real-world problem-solving, soft skills, and leadership abilities, ultimately transforming from zero to impactful projects.

### DataWorks Program (8-week Data Science Workshop)

Sept 2023 - Nov 2023

*Toronto*

Metropolitan Data Science Association [Received Certification]

- Statistical Analysis & Visualization: Proficient in **R for statistical analysis** and **Python (pandas, NumPy)** for data manipulation and visualization.
- Data Visualization: Adept at creating **visualizations** with R's **ggplot2**, Python's **matplotlib**, and **Seaborn** to represent data distribution and relationships.
- Database Management Skills: Knowledgeable in SQL fundamentals, including **data extraction**, filtering, aggregation, and table joins for **effective database management**.

## Projects *Major Projects At Toronto Metropolitan University and personal*

### Boggle Game using Elixir

March 2024

*Designed the Boggle Game using Elixir for my course work*

### Research on Co-op Challenges Faced by CS Students

Nov 2023 - Present

- Strategic Collaboration:** Teaming up with Prof. JP Silva to lead Zone Learning's "Industry Collaboration Program," reshaping Computer Science Co-op experiences for students.

### Research on ChatGPT in Academia

Feb 2023 - Apr 2023

- Global Tech Impact Assessment:** Conducted a global survey with 105 students, leveraging **Python (Pandas)** for dynamic data analysis, assessing the impact of ChatGPT on a global scale.

## LEADERSHIP

### Senate - Students' Representative

July 2023 - Present

*Toronto*

Toronto Metropolitan University - Working closely with the President's Office

### Academic Plan 2025-30 Advisory Group

Oct 2023 - Present

*Toronto*

Toronto Metropolitan University - Working closely with the President's and Provost's Office

- The **only undergraduate student invited** to this group of 32 members formed by the university's Provost and Vice President Academics.

### Senate Priorities Committee

Oct 2023 - Present

*Toronto*

Toronto Metropolitan University - Working closely with the President's Office

## SKILLS

- Programming Languages:** Python, Java, C, Bash, Lisp, R, Assembly Language, Javascript, HTML and CSS, Smalltalk-80, Elixir, Rust, Haskell
- Tools/Frameworks:** AWS, Linux/Unix, Agile and Scrum, SDLC, MySQL, DBMS, Django, Node.js, React, VS Code, Git and GitHub, JUnit, Pharo, MongoDB