

# Thanussian Sharvananthan

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## OBJECTIVE

Candidate for a Bachelor of Science in Mathematics and its Applications at Ryerson University with many years of experience developing programs and processing data in Python. Currently pursuing positions in research assistance.

## VOLUNTEER EXPERIENCE

### Victoria Park Hub Code Camp

Co-Founder and Teacher

(November 2020 - Present)

- Reviewed individual department performance and worked with leadership to improve processes, procedures and practices.
- Incorporated exciting and engaging activities to reinforce student participation and hands-on learning.
- Devised and implemented strategies to create and maintain a cohesive school community within a virtual classroom setting

## EDUCATION

### Ryerson University

**Bachelor of Science** Mathematics and its Applications

(September 2021 - May 2025)

## PROJECTS

### Rusty Chains

<https://github.com/TSharvananthan/rusty-chains>

(October 2021 - Present)

- Implementation of Markov chains in Rust.
- Finished a Python implementation.

### Sentimentality

<https://github.com/TSharvananthan/HTN2021>

(September 2021 - Present)

- Completed during Hack the North 2021
- Website that seeks customer reviews and classifies based on negativity using Artificial Intelligence
- Assisted in the backend

### Video To Slide Show

<https://github.com/TSharvananthan/VideoToSlideShow>

(December 2020 - December 2020)

- A command line application that converts a video to a Powerpoint

### Lyric Cloud

<https://github.com/TSharvananthan/LyricCloud>

(November 2020 - November 2020)

- A Discord bot that generates word clouds based on song lyrics.

## CERTIFICATIONS

### CCNA: Introduction to Networks

Cisco Systems

### CCNA: Routing and Switching Essentials

Cisco Systems