

# Thanussian Sharvananthan

[thanussian@gmail.com](mailto:thanussian@gmail.com) | 647-877-9239 | [LinkedIn](#) | [Github](#) | [Portfolio](#)

## EDUCATION

### Toronto Metropolitan University

Toronto, ON | Sept 2021-June 2025

BSc. MATHEMATICS AND COMPUTER SCIENCE

Coursework: Computer Science I, Computer Science II, Discrete Mathematics I, Calculus I, Calculus II, Linear Algebra

## EXPERIENCE

### QUANTUITY ANALYTICS | SOFTWARE ENGINEER INTERN

Toronto, ON | May 2022 – Present

- Worked closely with the startup founder to develop an isolated environment for the company website using Docker, Wordpress and MySQL.
- Applied data analytic and web scraping techniques using BeautifulSoup and Pandas to discover possible grants to apply for.

### VICTORIA PARK HUB CODE CAMP | CO-FOUNDER, TEACHER

Scarborough, ON | Sept 2020 – Present

- Taught and directed beginner Python programming lessons to over 20 high school students that hadn't written a line of code.
- Incorporated 12 exciting and engaging lesson plans to reinforce student participation and hands-on learning in Python programming.
- Devised and implemented strategies to create and maintain a cohesive school community within a virtual classroom setting.

## SKILLS

Languages: Python, Javascript, Java, C++, C, Bash, SQL

Libraries and Technologies: Flask, Selenium, BeautifulSoup, Numpy, Pandas, OpenCV, Matplotlib

Web Development: HTML/CSS, Node.js, React.js, Svelte, TailwindCSS

Technology: Git, AWS, Docker, LaTeX, MongoDB

## PROJECTS

### ADVENTURE CAPITALIST

NEXT.JS, TAILWINDCSS

My personal blog where I ramble on topics of interest. Examples include: a clone of "Eel Slap!" that remakes the Will Smith slap and a website that searches for words based on the letters that it starts/ends with.

### SENTIMENTALITY

FLASK, TENSORFLOW, HTML/CSS, DOCKER

A web application that applies sentimental analysis to identify new sales opportunities and monitor brand. Reviews are classified as positive or negative and users can search for reviews.

### VIDEO TO SLIDESHOW

PILLOW, MICROSOFT POWERPOINT

A simple and short command line application that converts a video file into a slideshow. The video is split into a series of frames and embedded as slides in a slideshow using image processing.

### ANIMATCH

FLASK, OPENCV, REACT, BOOTSTRAP, RESTFUL APIS

A variation on the "Who's That Pokemon" segment, AniMatch is a full stack web game that gives the player a blurred image of an anime character to guess. Images were pre-processed with OpenCV and encoded in Base64.

### LYRICCLOUD

PYTHON, REGEX, GENIUS AND DISCORD APIS

A Discord bot that incorporates the Genius API to generate wordclouds of song lyrics. Retrieved lyrics are cleaned using Regex and the user is given the option to validate and use their own API keys.

### QUACK

PILLOW, REQUESTS, URLLIB3, PYINSTALLER

Supporting code for a [blog post](#). Intended to teach the requests library, HTTP requests and using the command line, the short app retrieves a duck image using an API and shows it to the user with one terminal command.