

ISHA SHARMA

✉ ishaa.sharma@mail.utoronto.ca

🌐 isha14605.github.io/

🌐 linkedin.com/in/ishasharma14/

🌐 github.com/isha14605

Education

University of Toronto

Honors Bachelor of Science in Cell and Molecular Biology, Computer Science, and Statistics

Toronto, ON

Sep. 2019 – Apr. 2023

Relevant Coursework

- CSC207 - Software Design (Java)
- CSC258 - Computer Organization (Assembly)
- CSC209 - Software Tools and Systems Programming (C)
- Udemy - The Web Developer Bootcamp

Experience

Web Developer

Sept. 2020 – Present

iGEM Toronto

Toronto, ON

- Responsible for front-end development of [website](#) using **HTML**, **CSS**, **Javascript**, and **Bootstrap**.
- Debugged stylistic and deployment errors on my pages, as well as those of team members, and integrated code, using command line tools, with **Git/GitHub**.

Machine Learning Researcher

Apr. 2020 – Sept. 2020

iGEM Toronto

Toronto, ON

- Created a dataset of **50,000 protein sequences** and utilized **Python**, **GPT2**, **PyTorch**, **Pandas**, and **Numpy** to make a [machine learning model](#), with a **transformer architecture**, that can generate protein inhibitors for SARS-CoV-2.
- Modeled SARS-CoV-2 proteins using a protein modeling software, **PyMol**.
- Compiled findings and research into a presentation and research report.

Marketing Associate

Apr. 2020 – Mar. 2021

IEEE UofT

Toronto, ON

- Designed workshop, hackathon, and other event [graphics](#), as well as a sponsorship package, on **Figma** for promotional purposes on social media platforms.
- Responsible for posting graphics after completion and writing marketing blurbs to go along with graphics.
- **Increased engagement of Facebook posts by 40%.**

Projects

Vision Checker

MedHacks 2020

- Developed the front-end of a website that provides virtual eye exams for patients to ensure quality care during the COVID-19 pandemic, using **HTML**, **CSS**, **JavaScript**, **Bootstrap** and **Heroku**.
- Used **Google Cloud** to store audio files and feed it into a scoring function on to compute a user's visual acuity score.
- *Winner of the Google COVID-19 Hackathon Fund.*

BudgetLocal

Hack the Globe 2021

- Designed mock-ups, using **Figma**, for a web application that allows users to budget their monthly expenses, with a focus on incentives that support small businesses in local communities.
- Implemented a **chatbot with iMessage** to integrate with the web application.
- Presented a formal business plan for the web app.
- *Finalist in Hack the Globe 2021.*

YelpCamp

Udemy Web Dev Course

- Implemented the front-end of a website, using **HTML**, **CSS**, **Javascript** and **Bootstrap**, that allows user to write reviews for campgrounds.
- Developed the back-end of the website, using **Node**, **jQuery**, **Express**, **Heroku**, **MongoDB**, and **Postman**.

Skills

Programming Languages: Python, HTML, CSS, JavaScript, Java, C

Libraries/Frameworks: Pandas, Numpy, PyTorch, GPT2, Bootstrap, jQuery, Node, Express

Tools/Platforms: Git/GitHub, MongoDB, Heroku, Command Line, Figma, PyMol