

Isha Sharma

Experienced in front-end web development, machine learning, and software development. Interested in summer 2021 internships.

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EXPERIENCE

Web Developer - iGEM Toronto

Sept. 2020 - Present

- 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
- Integrated already existing code, using command line tools, with Git/GitHub to ensure our project utilized version control

Dry Lab Researcher - iGEM Toronto

Apr. 2020 - Sept. 2020

- Created a dataset of the protein sequences of 50,000 protein dimers
- Utilized [Python](#), [GPT2](#), [PyTorch](#), [Pandas](#), and [Numpy](#) to make a machine learning model that can generate protein inhibitors for SARS-CoV-2 proteins
- Modeled SARS-CoV-2 proteins using a protein modeling software, PyMol

LearnAI Logistics Lead - University of Toronto Artificial Intelligence Group

Apr. 2020 - Present

- Organizing the implementation, i.e. mode of delivery, reviewing applications, hiring TAs, etc., of a machine learning (ML) curriculum targeted to foster undergraduate interest in ML at an earlier stage in their university careers
- Working on outreach to other technical clubs for joint club projects

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 [Google Cloud](#)
- *Winner of the Google COVID-19 Hackathon Fund*

Euphoric Lyric - Hack the 6ix 2020

- Utilized [Python](#), [Keras](#), [Numpy](#), [TensorFlow](#), and [audio2numpy](#) to create a machine learning model that can generate lyrics for any audio sample with corresponding timestamps

YelpCamp

- Created the front-end and back-end of a website that allows users to write reviews for campgrounds, using [HTML](#), [CSS](#), [JavaScript](#), [jQuery](#), [Node](#), [Express](#), [MongoDB](#), and more

Conference App - CSC207 (Software Design)

- Used [Java](#) to develop a conferencing app, in adherence with SOLID principles, Clean Architecture, and design patterns

EDUCATION

University of Toronto

2019 - 2023

Hon. B.Sc. - Double major in Cell and Molecular Biology and Statistics, with a minor in Computer Science

Relevant Courses (2020-2021): Software Design (Java), Software Tools and Systems Programming (C), Computer Organization (Verilog)

SKILLS

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

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

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