Isha Sharma

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

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EDUCATION

University of Toronto   **2019 - 2023**

Hon. B.Sc. - Double major in Cell and Molecular Biology and Cognitive Science, 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 (Intermediate), HTML/CSS/JavaScript (Intermediate), Java (Beginner)
Libraries/Frameworks: Pandas, Numpy, Bootstrap, jQuery, Node, Express, MongoDB, PyTorch, GPT2
Tools/Platforms: GitHub, Command Line, Figma, PyMol

EXPERIENCE

Dry Lab Researcher + Web Developer - iGEM Toronto   **Apr. 2020 - Present**
• Created a machine learning model, using **Python**, **GPT2**, **PyTorch**, **Pandas**, and **Numpy**, that generates inhibitors for proteins, in order to develop therapeutics for COVID-19
• Re-designing organization's website, using front-end tools, i.e. **HTML/CSS/JavaScript**

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

Marketing Associate - IEEE UofT   **Apr. 2020 - Present**
• Designing and posting graphics on social media to promote workshops, hackathons, and networking events to provide professional development to undergraduate students
• Increased engagement rate of posts on Facebook page by 12%

Nursing Internship - Hoag Orthopedic Institute, Irvine, CA, USA   **Sept. 2018 - Dec. 2018**
• Provided post-operative care, such as monitoring vital signs, assisting in physical activity, comfort care, etc., to aid patients in recovery from surgery
• Learned to communicate clearly and effectively with medical professionals and patients

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 ML 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