


# ISHA SHARMA

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## Education

### University of Toronto

Toronto, ON

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

*Sep. 2019 – Apr. 2023*

- **Past Courses:** Intro to Computer Programming (Python), **Software Design (Java)**, Software Tools and Systems Programming (C), Computer Organization (Assembly), Operating Systems (C), Data Structures and Algorithms, Statistics and Data Analysis I & II (R)
- **Current Courses:** Introduction to Databases (PostgreSQL), Methods of Data Analysis (R), **AWS Cloud Practitioner Course**

## Experience

### Software Developer Intern

May. 2022 – Sept. 2022

*Mobile Team, Benevity*

*Toronto, ON*

- Worked on **adding new UI**, designing UI tests, resolving existing bugs, updating existing **unit tests** and testing robots, and implementing new features for our mobile app on both **iOS** and **Android** devices, using **Swift** and **Kotlin**.
- Debugged build and test failures on **CI/CD pipelines**, using **Jenkins**, to safely deploy changes to the mobile app.
- Paired with other teams on **resolving bugs** for their **web application** and automated donation receipt portal, using **PHP**, **JavaScript**, and **Java**.
- Completed a **personal intern project** on resolving **accessibility issues** within landscape mode of our **iOS app**.
- Demoed completed **Jira tickets** and provided progress updates in **Scrum** meetings and in employee demo sessions with over 100 people.

### Web Developer

Sept. 2020 – Apr. 2021

*iGEM Toronto*

*Toronto, ON*

- Collaborated with graphic designers on website mockups and developed the front-end of our website using **HTML**, **CSS**, **JavaScript**, **Bootstrap**, and **Git/GitHub**.
- **Taught** other **team members** the basics of **Bootstrap** and how to create responsive and mobile-friendly pages.

### 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 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.

## Projects

### RideCare

**Ford Smart Vehicle Connectivity Challenge**

- Designed mockups, in **Figma**, for an app that connects volunteer drivers to cancer and dialysis patients, in order to give them rides to their treatment centers.
- Learned how to use **Flutter** and created a functioning **mobile app** compatible with iOS and Android devices.
- Integrated the **Ford API** into our mobile application by using odometer, mileage, and other vehicle information that was obtained via **HTTP requests** on **Postman**.
- *Winner - Third Place.*

### Conferencing App

**Software Design Course**

- Designed a **conferencing system** using **Java** to simulate the common functions of signing up and attending conferences and events.
- **Created a GUI** that supports actions such as creating an account, signing up for an event, cancelling registration for an event, messaging other attendees, etc.
- Implemented **object-oriented programming practices**, such as inheritance, to create account types and events.

### YelpCamp

**Udemy Web Development Course**

- Developed the front-end of a website, using **HTML**, **CSS**, **JavaScript**, and **Bootstrap**, that allows users to write reviews for campgrounds.
- Implemented the back-end of the website using **Node.js**, **jQuery**, and **Express.js** and deployed app using **Heroku**.

## Skills

**Programming Languages:** Python, HTML, CSS, JavaScript, Java, C, Swift, Kotlin, R, PostgreSQL

**Tools/Platforms:** Git, Command Line, Bootstrap, Jenkins, Figma, PyMol