

ISHA SHARMA

ishaa.sharma@mail.utoronto.ca | isha14605.github.io/ | linkedin.com/in/ishasharma14 | github.com/isha14605

EDUCATION

University of Toronto

Toronto, ON

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

2019 - 2023

Relevant Courses: Software Design, Operating Systems, Data Structures and Algorithms, Databases, Data Analysis I and II

EXPERIENCE

Software Developer Intern

May 2022 - Sept. 2022

Benevity

Toronto, ON

- Added new time tracking and search functionality, haptic feedback notifications, and UI features to the company's mobile app on **iOS and Android** devices, using **Swift (Xcode)** and **Kotlin (Android Studio)**, improving the app for 500+ users.
- Resolved 120+ **SwiftLint** warnings, **debugged** 25+ build and test failures on **CI/CD pipelines** in **Jenkins**, and updated 75+ unit, integration, and system tests, reducing deployment time by 10%.
- Collaborated with two other teams to solve PayPal and Apple Pay bugs and fixed translation issues for 7 countries in Benevity's web application, using **PHP (Laravel and Drupal)**, **JavaScript (Vue.js)**, **Java**, and **Docker**.
- Demoed completed tickets in employee demo sessions with over 100 people and worked in an **Agile** framework, with **Jira**, **Bitbucket**, and **Confluence**.

Web Developer

Sept. 2020 - Apr. 2021

iGEM Toronto

Toronto, ON

- Worked with 5 graphic designers on creating **mock-ups** for the organization's website in **Figma** and **Adobe Illustrator**.
- Developed the **front-end** of the website using **HTML5**, **CSS3**, and **JavaScript**, focusing on responsiveness and cross-device compatibility, thereby increasing engagement with the website by 10%.
- Taught two other team members how to use **Bootstrap** and **Git/GitHub** via **Bash**, streamlining the development process.

Machine Learning Researcher

Apr. 2020 - Sept. 2020

iGEM Toronto

Toronto, ON

- Created and **cleaned** a **dataset** of 50,000 proteins, using **Numpy** and **Pandas**, and designed a **Python** script to convert the protein files from .txt to .csv, reducing file conversion time by 15%.
- Trained a transformer machine learning model that generates inhibitors for SARS-CoV-2 with Python (**PyTorch**) and **GPT2**.
- Presented my research to other teams and at the Undergraduate Engineering Research Day 2020 (UnERD 2020), wrote a research report on my findings, and was published in the STEM Fellowship Journal (<https://doi.org/10.17975/sfj-2020-008>).

PROJECTS

RideCare

Ford Smart Vehicle Connectivity Challenge

- Designed 9 **mock-up** pages, in **Figma**, for a mobile app that connects volunteer drivers to cancer and dialysis patients in need of rides to treatment centers.
- Implemented the mobile app in **Flutter** (in **VS Code**) in a 2-person team and integrated it with the **Ford API** to provide odometer, mileage, and other vehicle information via **HTTP** requests in **Postman**.
- Third Place Winner in the Ford Smart Vehicle Connectivity Challenge (out of 574 participants).

Conference System

Software Design Course

- Designed a virtual event management platform in **Java** in a 5-person team to organize large-scale events, which included user login abilities, an event calendar, and a graphical user interface (**GUI**).
- Used **object-oriented programming** practices and software design patterns, such as Iterator, Observer, and Strategy.

YelpCamp

Udemy Web Development Course

- Designed and implemented a **full-stack** website that allows users to write reviews for campgrounds, using **HTML5**, **CSS3**, **Bootstrap**, **jQuery**, **Node.js**, **Express.js**, **MongoDB**, **Passport.js**, **Heroku**, **REST**, **Postman**, and **DOM manipulation**.
- Completed independently as a part of Colt Steele's **Web Development Course** on **Udemy**, alongside 10+ other projects, such as a To-Do list application and online Color Game.

SKILLS

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

Tools/Platforms: Git, Bash, Bootstrap, Jenkins, Figma, PyMol, Jira, Confluence

Certifications & Training: Web Development Course (Udemy), AWS Cloud Practitioner Course (Udemy - In Progress)