

# Harnoor Singh Reen

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## SKILLS

**Programming Languages** Python • Java • C • C++

**Web Development** HTML • CSS • JavaScript • React • Bootstrap • Node.js

**Databases** Oracle SQL • MySQL • PostgreSQL

**Libraries** Pandas • NumPy • Matplotlib • PyGame • Java3D

**Other** Git • AWS • MS Office • GCC • Latex • PowerShell • Azure DevOps

## EDUCATION

**BACHELOR OF COMPUTER SCIENCE (HONOURS) CO-OP | UNIVERSITY OF WINDSOR**

September 2019 - April 2024 | Windsor, ON

- Dean's Honour Roll Recipient 2020-2021, 2021-2022
- Specializing in Software Engineering and Minor in Mathematics

## EXPERIENCE

**TC ENERGY | DIGITAL DATA & ANALYTICS INTERN**

May 2022 - Present | Calgary, AB

- Collaborated with Lead Architects to build Data Lakes using our Macro Data Architecture Strategy and AWS tools. Collected and analyzed company's Social Media analytics, providing data-driven insights to the communications division.
- Assisted in the development of a Market Intelligence application, contributing to centralizing the sources of information and adding sentiment scores, resulting in projected benefits of \$605k. Additionally, collaborated on identifying sensitive information through Natural Language Processing, potentially saving \$150k in business value for the privacy office of the company.

**UNIVERSITY OF WINDSOR | UNDERGRADUATE TEACHING ASSISTANT**

September 2021 - April 2022 | Windsor, ON

- Assisting students to understand concepts related to Microprocessor Programming and resolving difficulties with ASM
- Tutored students by reinforcing the lessons presented in class by collaborating in groups during regular office hours and assisted with grading of assignments and exams

## PROJECTS

**BITWHEEL** [↗](#)

Web Application

- Full stack web application for manufacturers and customers to upload and search information for car parts.
- Received two awards at BorderHacks (MLH Hackathon) 2020 including Runner Up of People's Choice Award and Winner of the OneLedger Challenge
- **Technologies Used:** React.js, HTML, CSS, JavaScript, Blockchain

**COVITRAX** [↗](#)

Web Application

- Developed a full stack web application for tracking Covid-19 cases in real time around the world. The disease.sh API is used by the application to get the daily count of cases, recoveries, and deaths. Data is visualised on a world map using Leaflet.js, and a case history over the last four months is updated daily.
- **Technologies Used:** React.js, HTML, CSS, JavaScript, Disease.sh API, Leaflet.js

**AUTOMAGIC WEBSITES** [↗](#)

Automatic Website Creator

- Developed a digital CV/website platform specifically tailored to Computer Science students. Offers a platform to users to quickly create, edit, publish, and export their own simple, yet sleek, website in a matter of minutes.
- **Technologies Used:** Python, Flask, HTML, CSS, Bootstrap, PostgreSQL

## EXTRACURRICULAR

**Faculty of Science - University of Windsor** Dean's Honour Roll (2022, 2021)

**WinHacks - MLH Hackathon** Organizer (2022)

**BorderHacks - MLH Hackathon** Winner, OneLedger Challenge and Runner's Up People's Choice Award (2020)