

# KIRAN SAHMBI

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🔗 [kiransahmbi.github.io](https://kiransahmbi.github.io)

📍 Brampton, ON

## EXPERIENCE

### Quality Assurance Supervisor, with a Side of Programming

#### Give and Go Prepared Foods Corp

📅 Sept 2019 – Present

📍 Toronto, ON

- Programmed script to reconcile ERP and spreadsheet data; **saved 15 hours monthly** using Python, VBA, SQL.
- Created VBA scripts to pull data from servers and auto-generate forms. This created efficient and paperless reporting between departments.
- Tweaked flow parameters to tighten process controls on icing mixing to **reduce downtime by 90 min/day**; performed Root Cause Analysis to capture and modify factors creating the largest impact.
- Led and developed quality validation studies to remove line bottlenecks; **modified line equipment and increased efficiency by 120 units/hour** using ANOVA analysis

### Python Programmer

#### Environment Canada: Climate Chemistry and Measurements Research

📅 Sept 2018 – Jan 2019

📍 Toronto, ON

- Developed visual dashboard to monitor instrument data collection **across 26 sites in Canada**. Leveraged alert emails to eliminate and **reduce data loss by 98%**.
- Built data flagging and averaging tool to process 86,400 Air Quality data points/day in Igor.

### Data Analyst

#### Environment Canada: Pollutant Inventories and Air Quality

📅 Sept 2017 – April 2018

📍 Gatineau, QB

- Developed VBA tool to automate yearly Greenhouse Gas estimates for the Canadian National Report; **saved 30 hours of monthly manual work**.
- Validated industry emissions using Federal data to assess trajectory of meeting Federal CO2 goals, using Excel/Access models of greenhouse emissions.

## EDUCATION

### Software Engineering

📅 2021 – 2022

📍 Centennial College

Developed Real Estate Website and Product Sale Page, using HTML & Bootstrap

### Web Development Bootcamp

📅 2021 – 2021

📍 Udemy

Developed a handy React.js app to improve typing accuracy and speed!

### Bachelor of Applied Science, Chemical Engineering

📅 2014 – 2019

📍 University of Waterloo

## SKILLS & TECHNOLOGIES

React.js

Express.js

Mongoose

SQL

Bootstrap

Git

Excel(VBA)

Python

Pandas

Matplotlib

C# Console Apps

Agile/ Scrum Methodologies

## LEADERSHIP & INTERESTS

Finalist in UW Management Case Consulting Competition

3rd place in ANSYS Design Analysis Competition

Executive in UW Indian Association