

KIRANDEEP SAHMBI

@ kiransahmbi@yahoo.ca 647-673-2960 Brampton, ON

EXPERIENCE

Quality Assurance Supervisor, with a Side of Programming

Give and Go Foods Corp

Sept 2019 – Present Toronto, ON

- Created Powerapps GUI to submit and edit form entries in database using VBA, SQL. This created efficient and paperless reporting between departments.
- Programmed script to reconcile ERP and spreadsheet data; **saved 15 hours monthly** using Python, VBA, SQL.
- 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
- Directed 5 departmental heads towards hazard prevention goals; reduced 10% food safety related incidents.

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

Bachelor of Applied Science, Chemical Engineering

2014 – 2019 University of Waterloo

Software Engineering

2021 – 2022 Centennial College

SKILLS & TECHNOLOGIES

React.js

Express.js

Mongoose

SQL

Bootstrap

Python

Pandas

Matplotlib

Github

Excel(VBA)

Aspen HYSYS/Plus

AutoCAD

CFD-X

COMSOL

Matlab

ArcGIS

LabView

LEADERSHIP & INTERESTS

Finalist in UW Management Case Consulting Competition

3rd place in ANSYS Design Analysis Competition

Executive in UW Indian Association