KIRAN SAHMBI

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EXPERIENCE

QA Team Lead

Give and Go Prepared Foods Corp   Sept 2019 – Apr 2022
Toronto, ON

- Utilized Python & SQL to generate custom reports (KPIs) and automate QA metrics **saving 20 hours per month.**
- Designed and developed a paperless solution for reporting across departments using Python, SQL and VBA.
- Directed team to conduct quality validation studies to optimize production process and meet yearly quality targets. Removal of bottlenecks led to **90 min/day reduction** in downtime.
- Coordinated all activities in the Quality Assurance Process, adhering to timelines and managing resources on hand.

Software Developer Intern

Environment Canada: Climate Chemistry and Measurements Research   Sept 2018 – Jan 2019
Toronto, ON

- Developed a visual dashboard using Javascript to monitor instrument data collection **across 26 sites in Canada**.
- Created automated script to track data abnormalities and send alert emails to eliminate and **reduce data loss by 98%**.
- Used multiple tools and technologies such as Python, Pandas, Matplotlib & Git.
- Participated in daily stand-up meetings to present latest progress on development tasks.

Data Scientist Intern

Environment Canada: Pollutant Inventories and Air Quality   Sept 2017 – April 2018
Gatineau, QB

- Collaborated with Senior Data Scientists to automate yearly Greenhouse Gas emissions using Python for the National Inventory Report, **saving 30 hours** of monthly manual work.
- Designed and created data flagging and averaging tool to process 86,400 Air Quality data points per day in Igor (Data Processing Software)

PROJECTS

Web Application - '*Grab A Table*'

- Designed and developed a restaurant reservation system for owner and customer user roles using MongoDB, Express.JS and Node.js.
- Features allow customers to search for availability, book a slot and receive an email confirmation of booking.
- Utilized MongoDB to visualize a reservation dashboard for vendors to view volume by date.
- Planned user stories for two iterations and monitored progress with burn-down chart (JIRA).

Web Application - '*Used Goods*'

- Designed and developed a responsive product listing web application using the MEAN stack.
- Functionalities include user authentication, posting, updating, and deleting (CRUD) listed products under a user profile.
- Secure authentication was implemented using passport.js.
- Managed team project using JIRA and GITHUB following an agile methodologies.

EDUCATION

University of Waterloo	**Bachelor of Applied Science, Chemical Engineering**	2014 – 2019
Centennial College	**Advanced Diploma, Software Engineering Technology**	2021 – 2022

SKILLS & TECHNOLOGIES

Web Development: HTML/CSS, Javascript, React.js, Angular.js, MongoDB, Express.js, Node.js
Databases: MongoDB, Oracle, SQL
General Programming: C#, Python, Java
Tools: Jira, Git, Postman, Karma & Mocha, Visual Studio Code, Eclipse