

# PHALGUNI ARVIND GHONGE

Toronto, CA | +1(416)-464-4240 | [phalgunighonge@gmail.com](mailto:phalgunighonge@gmail.com) | [linkedin.com/phalgunighonge](https://www.linkedin.com/phalgunighonge)

## Executive Summary

Recent graduate with strong technical and analytical skills demonstrated through relevant coursework and academic excellence. Diligent learner focused on improving performance through effective collaboration.

## Software & Code

- Microsoft Office
- Python
- SQL
- Tableau
- Pivot Tables
- AWS Cloud Practitioner (Basic)
- HTML/CSS

## Skills

- Data Visualization
- Data Analysis
- Digital Marketing
- Modelling w/ Python
- Air Dispersion Modelling
- Critical thinking
- Time management
- Customer Service

## Relevant Coursework

- Project Management
- Data Mining in Engineering
- Data Analytics and Machine Learning
- Six Sigma for Chemical Processes

## Certificates

- Google Digital Marketing
- Lean Six Sigma (Yellow Belt)
- Udemy : Tableau
- Udemy: AWS Cloud Practitioner
- Udemy: SQL
- The COSHH Risk Assessor

## Activities

- VP Communications | UofT Indian Graduate Students' Association
- Academic Tutor | UofT Skule
- Mentor | UofT Centre of International Experience '20
- Volunteer | BHUMI NGO, India

## Languages

- English | Fluent
- Hindi | Fluent
- Marathi | Native
- Japanese | Beginner
- Bengali | Speaking Proficiency
- Tamil | Intermediate

## Education

**University of Toronto | Toronto, CA**  
Master of Engineering (Chemical Engg)

**September 2021**

**University of Pune | Pune, IN**  
Bachelor of Engineering (Chemical Engg)

**June 2019**

## Projects

### Data Analytics Projects

- Principal Component Analysis (PCA) on large data-sets on COVID-19 reporting total cases and deaths for different countries.
- Investigated multivariate chemical composition of different raw materials for Pottery using PCA

### Aerosol transmission study of COVID-19 in a TTC Bus

- Studied and applied principles of aerosol physics to understand airborne transmission of COVID-19 virus particles in a standard Toronto Transit Bus as evaluative environment.
- Provided recommendations based on the principles of aerosol physics to mitigate transmission risks

### Air Dispersion Modelling (AERMOD) for Durham York Energy Centre, ON

- Carried out dispersion modelling for Waste Energy Facility using AERMOD, AERMET, and AERMAP and prepared summary reports of modelling results

### Internal Air quality audit at UofT

- Ran all audits and reports as required for internal audit processes in a team of four
- Drafted audit reports for management and executive reviews
- Communicated issues and made recommendations corrective actions to bring the facility in line with standards

### Six Sigma Project

- Drove key process results and completed project through effective contingency planning deliverables quality management
- Spearhead Six Sigma methodology programs, utilizing statistics and data/customers/process analysis to implement sustainable improvements and locate project gaps for ongoing metrics

### Extraction of Bio-oil from urban edible waste (Spent coffee grounds)

- Spent Coffee grounds were evaluated with respect to oil yield for biodiesel fuel production by extraction using Toluene as the extraction solvent, at different operating conditions and analysis of recovered oil.

### Study of Solvent Recovery and Design of Heat Exchanger (HE) to improve its efficiency

- Studied the recovery of solvents and HE equipment used in Pharmaceutical industry
- Designed a Shell and Tube HE to improve the efficiency from 86% to 93%

## Work Experience

**Loblaw Companies Ltd., CA**  
**HMR Clerk**

**July '20 - present**

- Maintained high standards of customer service during high-volume, fast-paced operations
- Communicated clearly and positively with co-workers and management
- Followed procedures of safe food preparations, assembly, and presentation
- Assisted management with inventory control and stocking
- Resolved complaints promptly and professionally.
- Upheld safety and sanitation standards

**Cipla Limited, India**  
**Internship Trainee**

**June - July 2018**

- Understood the role of a Process Engineer and the workflow in the custom pharmaceutical industry
- Studied the technical and non-technical obstacles in scaling-up of products
- Observed and documented the process of generation of API using process flow diagrams
- Extensively studied the design aspects of Heat Exchangers in the facility
- Learnt about the cGMPs, safety protocols, and MSDS in the Pharmaceutical industry