

PHALGUNI ARVIND GHONGE

(416) 464-4240 | phalgunighonge@gmail.com | [linkedin.com/in/phalgunighonge/](https://www.linkedin.com/in/phalgunighonge/) | Toronto, ON

EDUCATION

UNIVERSITY OF TORONTO

Master of Engineering in Chemical Engineering

Toronto, CA

September 2021

- GPA 3.84/4
- Relevant Data analytics coursework: Data Analytics and Machine learning, Data Mining in Engineering
- Relevant Chemical Engineering coursework: Air Dispersion Modelling, Bioprocess Engineering, Environmental pathways and Impact assessment, Aerosol Physics and Chemistry
- Completed projects under Project Management, Six Sigma and, Environmental Auditing courses

UNIVERSITY OF PUNE

Bachelor of Engineering in Chemical Engineering

Pune, IN

July 2019

- Graduated top of the department with a GPA of 9.7/10
- Completed coursework in Reaction Kinetics, Fluid Mechanics, Transport Phenomena, Chemistry, Mathematics and, Process Modelling and Simulation

SKILLS

- Computer Proficient: Microsoft Office etc.
- Knowledge of internet research tools
- Strong interpersonal and Communication skills
- Good time management and multi-tasking skills
- Excellent listening skills
- PivotTables in Excel
- Data Visualization: Excel, Python
- Strong leadership skills
- Technically adept

PROJECTS

- Data Analytics Project under coursework
 - Principal Component Analysis (PCA) on COVID-19 datasets reporting total cases and deaths for different countries.
 - Designed a controller to manage the ailerons of an aircraft based on supervised learning.
 - Investigated multivariate chemical composition of different raw materials for Pottery using PCA
- 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
 - Augmented conceptual analysis processes, eliminating defects, and improving business processes and quality.
- Study on the transport of Phenanthrene (PHE) in St. Lawrence River, QC
 - Studied the transport of toxic chemical Phenanthrene in St. Lawrence using three-level Fugacity approach

ACTIVITIES AND LEADERSHIP EXPERIENCE

- **HMR/ Deli Clerk – Loblaws Companies Ltd.** *July 2020 – 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 whilst paying strict attention to detail
- **VP Communications - UofT Indian Graduate Students' Association** *July '20 - September '21*
 - Maintained strong social media presence across Facebook, Instagram, and Twitter.
 - Helped plan and manage several events involving 40+ students
- **Academic Tutor – UofT Skule**
 - Gave online & in-person help to undergraduate students in different chemical engineering courses such as Thermodynamics, Materials, etc.
 - Curated personalized course material for students assessing their capabilities.

ADDITIONAL INFORMATION

- Coursera certificate on "Intro to Data Science in Python" Credential ID – 3WTB3ZAFJ2D
- Digital Marketing Google Certification in "Fundamentals of Digital Marketing" Credential ID – V6PG7P45R
- Online certification course on "Waste on Energy Conversion" conducted by NPTEL (A joint initiative of IITs and IISc)
- Volunteered at several events, including Adoption Drive, organized by BHUMI (India's largest volunteering organization)