PHALGUNI ARVIND GHONGE

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Recent graduate with strong technical and analytical skills demonstrated through relevant coursework and academic excellence. Prospective Data analyst who strives to pose and answer questions with quantitative-drive insights. Talent for communicating complex information to non-technical clients. Diligent learner focused on improving performance through effective collaboration. Seeking an internship or full-time position at your organization.

EDUCATION

UNIVERSITY OF TORONTO
Toronto, CA

Master of Engineering in Chemical Engineering (3.84/4)   September 2021
- o Relevant Data analytics coursework: Data Analytics and Machine learning, Data Mining in Engineering
- o Completed projects under Project Management, Six Sigma and, Environmental Auditing courses

UNIVERSITY OF PUNE
Pune, IN

Bachelor of Engineering in Chemical Engineering (9.7/10)   July 2019
- o Completed coursework in Reaction Kinetics, Fluid Mechanics, Transport Phenomena, Chemistry, Mathematics and, Process Modelling and Simulation

SKILLS

- Data visualization and Data management
- Modeling using Python:
  - o Supervised Learning: Linear and Logistic regression, Decision Trees
  - o Unsupervised Learning: k-means clustering, principal component analysis (PCA)
- Air Dispersion Modelling (AERMOD)

- Well versed with excel
- Critical and Analytical skills
- Excellent customer service and interpersonal skills
- Work effectively and collaboratively in a team
- Strong communication and written skills
- Excellent time management skills

PROJECTS

- Data Analytics Projects
  - o Principal Component Analysis (PCA) on large data-sets on COVID-19 reporting total cases and deaths for different countries.
  - o Designed a controller to manage the ailerons of an aircraft based on supervised learning.
  - o Investigated multivariate chemical composition of different raw materials for Pottery using PCA
- Internal Air quality audit at UofT
  - o Ran all audits and reports as required for internal audit processes in a team of four
  - o Drafted audit reports for management and executive reviews
  - o Communicated issues and made recommendations corrective actions to bring the facility in line with standards
- Six Sigma project for Anaerobic digestor plant
  - o Drove key process results and completed project through effective contingency planning deliverables quality management
  - o Spearhead Six Sigma methodology programs, utilizing statistics and data/customers/process analysis to implement sustainable improvements and locate project gaps for ongoing metrics
  - o Augmented conceptual analysis processes, eliminating defects, and improving business processes and quality.
- Aerosol transmission study of COVID-19 in a TTC Bus.
  - o 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.
  - o Provided recommendations based on the principles of aerosol physics to mitigate transmission risks
- Air Dispersion Modelling (AERMOD) for Durham York Energy Centre, ON

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

ACTIVITIES AND LEADERSHIP EXPERIENCE

- **HMR/ Deli Clerk – Loblaws Companies Ltd.**   *July 2020 – present*
  - o Maintained high standards of customer service during high-volume, fast-paced operations
  - o Communicated clearly and positively with co-workers and management
  - o Followed procedures of safe food preparations, assembly, and presentation
  - o Assisted management with inventory control and stocking
  - o Resolved complaints promptly and professionally.
  - o Upheld safety and sanitation standards

- **VP Communications - UofT Indian Graduate Students' Association**   *July '20 - September '21*
  - o Maintained strong social media presence across Facebook, Instagram, and Twitter.
  - o Helped plan and manage several events involving 40+ students

- **Academic Tutor – UofT Skule**
  - o Gave online & in-person help to undergraduate students in different chemical engineering courses such as Thermodynamics, Materials, etc.
  - o Curated personalized course material for students assessing their capabilities.

ADDITIONAL INFORMATION

- Coursera certificate on "Introduction to Data Science in Python" Credential ID – 3WTB3ZAFJ2D
- Digital Marketing Google Certification in "Fundamentals of Digital Marketing" Credential ID – V6PG7P45R
- Volunteered at several events, including Adoption Drive, organized by BHUMI (India's largest volunteering organization)