

Khushi Mehta

kmehta@uwaterloo.ca | (+1) 519 731 8365 | Canada | [linkedin.com/in/khushi-mehta/](https://www.linkedin.com/in/khushi-mehta/) | [kmehta99.github.io](https://github.com/kmehta99) | [Tableau](#) | [Google Scholar](#)

EDUCATION

Masters, Management Sciences; CGPA: 3.5/4, University of Waterloo, Waterloo, CA 09/2022 – 12/2023
B.E. Production Engineering; CGPA: 8.5/10, Fr. CRCE, University of Mumbai, IN 08/2017 – 08/2021

PROFESSIONAL SUMMARY

An analytical and result-oriented professional with a master's in management sciences having a strong foundation in process engineering, product development, and analytics. Proficient in developing data-driven strategies for optimizing supply chain and operational efficiencies, with a commitment to sustainability and innovative business solutions.

SKILLS SUMMARY

- **Programming Languages:** Basic C++, Python, SQL
- **Software:** MS Office 365, MS Access, SAP BI/BW, ANSYS
- **Tools / Frameworks:** Workday ERP, Workday EIB (Enterprise Interface Builder) Data Integration, Microsoft Excel, Tableau, Power BI, SharePoint, Smartsheet, JIRA, Python (Matplotlib), Hadoop
- **Machine Learning Models:** Logistic regression, KNN, gradient boosting algorithms, decision tree, random forest, time series forecasting
- **Technical:** Strategic sourcing, process optimization, supply chain management, process mapping, business development, P&L analysis, business analysis, demand forecasting, procurement, logistics, and distribution management, SOP development, process improvement, customer relationship management, logistics coordination, TQM, finance management, financial reporting and analysis

WORK EXPERIENCE

Analyst – IT Applications, Charger Logistics, Brampton, CA 04/2024 - Current
Data Analytics, data migration, MS Excel, SQL, PowerBI, process optimization, Workday ERP, Workday Module Implementation

- Implemented the Workday Procurement Module, streamlining the procure-to-pay (P2P) workflow by mapping processes, identifying 10+ KPIs, categorizing 150+ data points and creating custom business processes leading to a 95% reduction in approval times, elimination of 96% of redundant steps, and enhancement in operational efficiency by 20% through continuous post-production improvements and workflow refinements.
- Developing actionable insights by collaborating with AP/AR and finance teams to clean, transform, and migrate data via EIB to the Workday ERP system and optimizing the fleet leasing business process by targeting key data points and features required to create internal process automation to facilitate data migration and auto-reconciliation process on Workday.
- Designed a BI reporting initiative for toll analysis and validated 500+ datasets using bulk Workday integrations, achieving a 70% increase in data consistency, optimizing financial data workflows, and delivering insights that reduced tolling costs by 20%, enabling strategic decision-making across key areas.

Data Analyst Research Intern, ESGTree, Waterloo, CA 03/2024 – 04/2024
Data Analytics, JIRA, sustainability reporting, Tableau (Principal Investigator: Dr. Majid Mirza)

- Orchestrating a multi-phase project utilizing project management tools and advanced analytics to compare ESG data offerings from MSCI, Sustainalytics, Refinitiv, and CDP, focusing on data scope, cost, and licensing, to enhance strategic decision-making for global clients.
- Conducting a detailed analytical review using Excel and Tableau to evaluate the range, financial models, and terms of ESG data from leading providers, aimed at demystifying market complexities and extending research scope to encompass university-wide ESG data solutions.

GET – Corporate Planning, Kansai Nerolac Paints Ltd., Mumbai, IN 08/2021 – 10/2021
Consumer goods, MS Office, SAP, SharePoint, Data Analysis, PO, B2B, B2C

- Extracted and managed production volume data of products using SAP BI/BW to generate weekly data analysis reports using Excel and Power BI, improving the fill rate and reducing post-production waste.
- Developed detailed gap analysis for S&P global sustainability reporting and presented data-driven findings and strategic recommendations to stakeholders and senior management team to improve product positioning and sales for B2B and B2C markets.

Project Intern, Dow Chemical International Pvt. Ltd., Mumbai, IN 12/2020 – 05/2021
Chemical manufacturing, B2B, product development, computational fluid dynamics (CFD), FEM, cost reduction, Neural Networks

- Collaborated with the R&D team and developed research for operational efficiency on “Unloading Time Reduction of Viscous Polyols”, defined bottlenecks, and performed polyol study using CFD avoiding 13 non-value-based manpower and identifying key areas of cost reduction, resulting in increased margins and process improvement.

PROJECTS

Change Management for implementing sustainability initiatives in an organization - HBS, Waterloo, CA 11/2023-12/2023
Management Sciences Department, (Principal Investigator: Dr. Minna Allarakhia)

Change management, project management, strategic planning, business transformation, business management

- Orchestrated organizational change initiative for product sustainability achieving CERs of 0.56 and 0.5 in urgent and non-urgent scenarios, analyzed strategies that worked across the stages to curate business insights, and proposed solutions to the stakeholders.

Lysol Disinfectant Wipes: Life Cycle Assessment, Waterloo, CA

11/ 2023

Management Sciences Department, (Principal Investigator: Dr. Minna Allarakhia)

Life cycle assessment (LCA), energy cost analysis, environmental impact assessment, sustainability assessment

- Executed life cycle assessment of Lysol disinfectant wipes evaluating energy cost across the value chain, performed inventory and improvement analysis across the product life cycle, and devised a strategic plan for the company within the engineering LCA framework to maintain long-term impact on supply chain sustainability and inventory.

Consumer engagement through sustainable Packaging Re-design, Waterloo, CA

10/2023 – 11/ 2023

Management Sciences Department, (Principal Investigator: Dr. Minna Allarakhia)

Sustainable packaging design, sustainability analysis, stakeholder, and consumer strategy development

- Proposed 5 sustainable packaging re-designing options for the skincare division by analyzing current packaging methods, outlining strategies to reduce plastic usage, and introducing eco-friendly alternatives, while engaging stakeholders and implementing consumer-focused strategies to emphasize transparency and sustainability.

Cetaphil: Chemical Audit, Waterloo, CA

10/2023

Management Sciences Department, (Principal Investigator: Dr. Minna Allarakhia)

Product safety, chemical auditing, sustainable packaging and sourcing, alternative sustainable ingredients, audit assessment

- Spearheaded the chemical audit of Cetaphil's cleanser, assessing product complexity, and potential toxicity, including PFAS in the ingredients, and ensured research accuracy with industry compliance by cross-referencing 10 product components with the EWG's Database, creating safer recommendations and advocating for conscious skincare choices.

UPS: Sustainability Audit, Waterloo, CA

09/2023

Management Sciences Department, (Principal Investigator: Dr. Minna Allarakhia)

Supply chain sustainability, ESG, sustainability auditing in supply chain management, audit assessment, supply chain transportation

- Executed a sustainability audit using the RBC Sustainability Audit Assessment tool to analyze supply chain alignment with ambitious sustainability goals and evaluated the company's success in integrating sustainability across its operations with a score of 4, while exploring UPS's current sustainability initiatives and showing a compelling business case for sustainability.

Comparison of different Supervised Machine Learning algorithms to detect Payment Frauds, Waterloo, CA

05/2023 – 08/ 2023

Management Sciences Department, (Principal Investigator: Dr. Lukasz Golab)

Credit card fraud, detection, big data analytics, Machine Learning, Python, financial transactions

- Cleaned and transformed data using SQL and developed Python code using open-source libraries to train, validate, and test 3 datasets, conducted explanatory data analysis, implemented machine learning models using SMOTE, evaluated performance using multi-class classification metrics, assessed optimal algorithms to detect payment frauds and presented findings, issues and potential solutions to the involved stakeholders.

Lean Manufacturing Case Study, Waterloo, CA

06/2023

Management Sciences Department, (Principal Investigator: Dr. Peter Carr)

capacity planning, logistics and transportation, production planning and scheduling, inventory planning, process mapping

- Mapped the company's current process, identified, and analyzed 4 consistency gaps, created a lean process flow within the lean principles framework to optimize shopfloor inventory through vertical stacking, and introduced a transportation belt for material movement resulting in 20% process efficiency showing continuous improvement.

Operating System Design Case Study, Waterloo, CA

05/2023

Management Sciences Department, (Principal Investigator: Dr. Peter Carr)

Process flowchart, process planning, quality control, customer service, SOP

- Initiated and streamlined an efficient operating system to reduce supply chain costs for the delivery segment of a food company, developed and optimized end-to-end standard operating procedure, focusing on quality assurance, and establishing brief 10-point performance metrics for continuous improvement.

Compressed biogas plant, Mumbai, IN

03/2021

Production Engineering Department, University of Mumbai (Rank 1)

CAPEX, OPEX, production, logistics and supply chain management, distribution, warehouse operations, WMS, plant operations

- Planned, executed, engineered, and optimized a sustainable CBG plant, overseeing project development, site selection, construction timeline estimation, site operations, waste logistics, biogas processing, distribution strategies, simulation analysis, and financial evaluations including BEP, CAPEX, OPEX, revenue investment and returns.