

James Mete

Canadian Data Scientist with International Management Experience

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EXPERIENCE

Sherbiny – *Khobar, Saudi Arabia*

Sep 2017 – Present

Digital Transformation Director

Aug 2023 – Present

- Direct IT, software engineering and digital transformation strategy, implementing AI/ML, IT infrastructure, data engineering, and analytics solutions resulting in 2x President's Circle Award (highest award in the company)
- Improved sales forecast accuracy by 44% by implementing an XGBoost machine learning model
- Reduced survey processing time by 99% by building an automated LLM-based system

Management Analyst

Sep 2019 – Jul 2023

- Led data analysis, presentations, and reports for C-level executives, and elected Board of Directors secretary
- Decreased technical quotation processing time by 92% by engineering database lookup solution
- Drove critical PMO projects: [e-commerce platform](#), ERP system, and manufacturing facility construction

Sales & Marketing Analyst

Sep 2017 – Aug 2019

- Built initial data pipelines, models, and dashboards to give insight into company performance
- Conducted feasibility studies for expansion opportunities, including new manufacturing facilities

Nescom – *Jubail, Saudi Arabia*

Jul 2014 – Aug 2017

Analyst

Jul 2014 – Aug 2017

- Analysis, feasibility studies, & business plans of business units as well as future investment opportunities
- Successfully crafted indoor vertical farming proposal approved by the Saudi Investment Bank

PROJECTS

- [AI-Based Youtube Video Quality Prediction](#): Engineered data pipeline processing 1.4B+ records to train Random Forest classifier achieving 82% accuracy and 80% F1 score. Implemented NLP techniques on scraped comments to categorize videos as positive/neutral/negative
- [Cross-Platform Sentiment Analysis](#): Analyzed 3B+ data points across Amazon, Reddit, and Twitter to identify platform-specific sentiment patterns and key influential features, revealing cross-platform biases and trends
- [NLP Text Complexity Classifier](#): Developed feature engineering pipeline using KMeans clustering, topic modeling, and transformer architecture for sentence complexity classification. Achieved 77.6% accuracy and 2nd place ranking in University of Michigan Kaggle competition
- [Open Assistant](#): Built scalable data collection pipelines and ETL scripts for one of the first major open-source LLM projects, enhancing training data quality and processing efficiency

EDUCATION

University of Michigan – *Ann Arbor, Michigan, USA*

Master of Applied Data Science (4.0 GPA)

Brock University – *St. Catharines, Ontario, Canada*

Bachelor of Arts (Honours)

SKILLS

Python | SQL | Spark | JavaScript | Forecasting | Power BI | AI | Leadership | Teamwork | Project Management