James Mete

Canadian Data Scientist With 10+ Years In Digital Transformation And Analytics Leadership

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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 (top company award)
• Improved sales forecast accuracy by 44% using XGBoost model with time-series analysis techniques
• Reduced survey processing time by 99% by building an automated LLM-based system
• Architected data quality management system that resolved integrity issues across 12,300+ records
• Complete IT/OT infrastructure overhaul project including servers, networks, cloud, storage, robotics, etc.
• Created interactive Power BI and integrated ERP dashboards for C-suite strategic analysis and planning

Management Analyst   Sep 2019 – Jul 2023
• Directed data analysis, executive presentations, and C-suite reporting; appointed Board secretary
• Decreased technical quotation processing time by 92% by engineering SQL database lookup solutions
• Drove PMO projects: e-commerce platform (sawab.app), ERP system, and new facility construction

Sales & Marketing Analyst   Sep 2017 – Aug 2019
• Built data pipelines and governance procedures ensuring quality metrics for executive dashboards
• Conducted feasibility studies for expansion opportunities, including new manufacturing facilities

Nescom – *Jubail, Saudi Arabia*   **Jul 2014 – Aug 2017**

Analyst   Jul 2014 – Aug 2017
• Conducted risk-based financial analysis and feasibility studies for business units and investments
• 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 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 | IT Infrastructure | AI / ML | Forecasting | Project Management | Power BI | Stakeholder Management | Communication | Data Quality | Risk Management | Agile | Excel | Process Optimization