James Mete

Canadian Data Scientist with International Management Experience

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EXPERIENCE

Sherbiny LLC. – *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 LLC. – *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