James Mete

Canadian Data Scientist with International Management Experience

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EXPERIENCE

Sherbiny LLC., *Khobar, Saudi Arabia*

Digital Transformation Director *(Aug 2023 – Present)*
• Sherbiny is a leading manufacturer of industrial and energy solutions.
• Leading digital transformation, AI / machine learning, data engineering, and data science initiatives.
• Awarded President's Circle Award (highest in the company) twice for outstanding performance.

Management Analyst *(Sep 2019 – Jul 2023)*
• Led data analysis and reporting for C-level executives. Elected board secretary to the board of directors.
• Decreased time to produce technical quotations by 92% by integrating database lookup features.
• Increased order forecast accuracy by 30% by utilizing a random forest machine learning model.
• Project manager and core team member of Project Management Office. Projects include launching our new e-commerce platform (ejawda.com), implementing an ERP, and the construction of a new manufacturing facility.
• Established formal marketing department and acted as marketing manager until the end of 2022.

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 the construction of new manufacturing facilities.

Nescom LLC., *Jubail, Saudi Arabia*

Analyst *(Jul 2014 – Aug 2017)*
• Analysis, feasibility studies, & business plans of existing business units as well as future investment opportunities.
• Successfully crafted indoor vertical farming proposal approved by the Saudi Investment Bank.

PROJECTS

• **Analysis & Prediction of Dislikes on Youtube Data**: Developed a machine learning pipeline to process 1.46 billion Youtube JSON records and scraped comments to train a Random Forest to classify Youtube videos into negative, neutral, or positive with 82% accuracy and 80% F1 score to help users judge video quality.

• **Sentiment Analysis between Product Reviews and Social Media Platforms**: Collected, processed, and analyzed 51K Amazon Reviews, 148K Reddit comments, and 2.88 billion tweets to compare sentiment trends between each platform to check for biases, differences, and top influential features.

• **Predicting Text Difficulty**: Natural language processing task to classify the textual complexity of sentences to determine which sentences require simplification. Developed a pipeline involving feature engineering, KMeans, topic modeling, PCA, and a supervised transformer model. Achieved second-highest score on the private University of Michigan Kaggle leaderboard with an accuracy score of 77.6%.

• **Open Assistant**: Open-source LLM chat AI. Worked with the data team to build data collection scripts and pipelines.

EDUCATION

Master of Applied Data Science, University of Michigan
Ann Arbor, Michigan, USA | May 2022
• 4.0 GPA. Selected as an instructional aide for multiple courses, including Data Science Ethics.

BA Honours, Brock University
St. Catharines, Ontario, Canada | May 2014

SKILLS

• Python	• Spark	• Excel	• Forecasting
• Javascript	• Numpy / Pandas	• Power BI	• Analysis
• SQL	• PyTorch	• Transformers	• Project Management