

# James Mete

Canadian Data Scientist with International Management Experience

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## EXPERIENCE

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### 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 (sawab.app), 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

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- [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

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### 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

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