

JAMES METE

Canadian data scientist with international management experience.

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SKILLS

- **Programming Languages:** Python, Javascript, SQL, NoSQL (MongoDB)
- **Data Science & Machine Learning:** Scikit-learn, Numpy, Pandas, Matplotlib, PyTorch, Spark, Big Data
- **Other:** HTML, CSS, Power BI, Adobe Creative Suite, Office (Excel), Shell Scripts, Marketing

EXPERIENCE

Sherbiny LLC., Saudi Arabia

Sherbiny is a leading distributor and manufacturer of industrial solutions in Saudi Arabia.

Management Analyst

(Sep 2019 – Present)

Previous: Sales & Marketing Analyst

(Sep 2017 – Aug 2019)

- Leading AI, machine learning, and data science initiatives to improve efficiency and effectiveness.
- Conduct exploratory analysis and reporting for C-level executives to drive strategic business planning and optimizations.
- Increased business visibility across multiple departments by developing internal data visualization tools and dashboards using **Python, SQL, and Power BI**.
- Led project to implement automatic document processing system to automate 60% of orders utilizing OCR / Computer Vision. Initial deep learning models were made using **Python** (PyTorch) & Azure Form Recognizer APIs.
- Increased order forecast accuracy by 30% compared to traditional expertise-focused methods by utilizing a random forest machine learning model built in **Python** (Scikit-learn) and trained on order history data.
- Grew website users by 121% and page views by 64% by rebuilding our company website using **Javascript / React** (Gatsby) for the frontend, and **NodeJS** (Strapi) as a backend CMS.
- Decreased time to produce technical spare parts quotations by 92% by developing advanced **Excel** template utilizing custom macros and methods to process data and automate lookups.
- Launched our new e-commerce platform, ejawda.com, by providing analytical and project management support within the core project team.

NESCOM LLC., Saudi Arabia

NESCOM is an industrial contractor and solutions provider in Saudi Arabia

Analyst

(July 2014 – Aug 2017)

- Conducted analysis of existing business units and future investment opportunities using data-driven insights, including writing business plans and feasibility studies.
- Successfully crafted Indoor vertical farming proposal approved by the Saudi Investment Bank.

EDUCATION

University of Michigan, Ann Arbor, Michigan, USA

Master of Applied Data Science
(4.0 GPA)

(Sep 2020 – May 2022)

Brock University, St. Catharines, Ontario, Canada

BA Honors

(Sep 2010 – May 2014)

PROJECTS

- **Analysis & Prediction Of Dislikes On Youtube Data**
University of Michigan capstone project report and webapp: Developed a machine learning pipeline to process 1.46 billion Youtube JSON records and scraped comment to train a Random Forest model to classify Youtube videos into negative, neutral, or positive with 82% accuracy and 80% F1 score. This allows users to judge video quality without needing a dislike counter that Youtube has removed.
- **Sentiment Analysis between Product Reviews and Social Media Platforms**
Data science report: Collected, processed, and analyzed 51,507 Amazon Reviews, 148,344 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**
University of Michigan Milestone Kaggle Challenge: 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 leaderboard with an accuracy score of 77.6%.

LEADERSHIP & AWARDS

- Elected as Secretary of the Board of Directors, as well as a member of 2 board committees.
- Sherbiny President's Circle Award (highest in the company) for outstanding performance.
- Selected as an instructional aide at the University of Michigan–Ann Arbor in the Master of Applied Data Science degree program for multiple courses. (1 of 7 chosen out of 200+ students)

CERTIFICATIONS

- CS50x (Computer Science) – Harvard University.
- Machine Learning – Stanford University (Coursera)
- Deep Learning Specialization – DeepLearning.ai (Coursera)
- Fundamentals of Reinforcement Learning – University of Alberta (Coursera)
- Statistics with Python Specialization – University of Michigan (Coursera)
- Deep Learning: Part 1 Certificate – University of San Francisco
- Internal Auditor Training (ISO 9001:2015, ISO 14001:2015, & ISO 45001:2018)
- Health & Safety (CPR, AED, First Aid & Basic Fire Fighting)