

ALI TALEBI

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DATA SCIENTIST/ANALYST

Results-driven Data Scientist/Analyst with over four years of experience in data science, engineering, and analysis. Proficient in transforming complex datasets into actionable insights using Python, SQL, and visualization tools like Power BI and Looker. Demonstrated success in Natural Language Processing (NLP), anomaly detection, data pipeline optimization, and customer engagement strategies, with a keen ability to communicate findings to cross-functional teams.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL
- **ETL Tools:** Airflow
- **Data Visualization Tools:** Looker, Power BI
- **Machine Learning:** NLP, Anomaly Detection, CNN (on Seismic data)
- **Cloud Platforms:** Azure (Azure Databricks, ML)
- **Frameworks/Libraries:** Pandas, Airflow, TensorFlow
- **Testing:** PyTest, unittest
- **Version Control:** Git, GitHub Actions
- **Containerization:** Docker

EXPERIENCE

Symend, Calgary

Data Scientist/Senior Data Analyst (October 2022 - May 2024)

- Built an unsupervised anomaly detection system using autoencoder architecture, reducing outlier identification time by 30%.
- Developed a segmentation model for decision tree integration, improving customer targeting accuracy.
- Led a data-driven prediction model to forecast customer delinquency risk
- Created SQL-driven dashboards in Looker and Power BI to track data drift, enhancing model performance monitoring for 5+ ML systems.
- Implemented dbt models to transform raw client data in Snowflake, streamlining analytics workflows
- Developed intricate SQL queries for filterable Looker dashboards, enhancing personalized client strategies and boosting engagement.
- Mentored 2 junior analysts in SQL and Looker, accelerating team dashboard delivery

ML Engineer (September 2021 - October 2022)

- Deployed Azure Functions for NLP-based message processing, automating some manual work.
- Orchestrated data workflows with Airflow, integrating Azure File Storage and Snowflake, ensuring 99% data uptime.
- Evaluated ML platforms (Databricks, H2O, Azure ML, Alteryx, Dataiku) to identify optimal tools
- Optimized ML pipelines in Azure Databricks, improving data quality for 10+ models.
- Collaborated with product managers to align ML pipeline enhancements with business goals, accelerating

feature deployment by 20%.

- Containerized ML workflows using Docker, enabling seamless deployment across 3 environments (dev, staging, prod) with zero downtime.

Developer (January 2020 - September 2021)

- Fine-tuned BERT and DistilBERT models for text classification, achieving 74% accuracy in production.
- Built and deployed a scalable NLP API with Flask and Docker, handling 1,000+ daily requests.
- Configured GitHub Actions to automate CI/CD pipelines, reducing deployment cycles.
- Leveraged Docker to standardize development environments, cutting onboarding time for new team members by 50%.

Education

MSc in Data Science University of California, Riverside, CA 2019