KUSHAL MOHEE

DATA ENGINEER | MLOPS

Victoria, BC V8W0G8
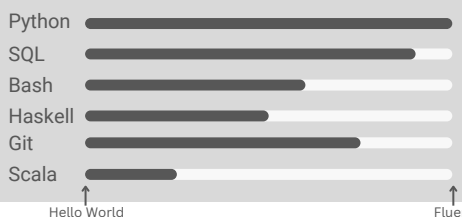
linkedin.com/in/kmohee
github.com/kmohee

PROFILE

I bridge the gap between data and business by designing and implementing efficient and scalable data solutions to create business value and enable informed decision-making, most recently in the automotive industry.

SKILLS

Skill	Level
Python	████████████████
SQL	██████████████
Bash	██████████
Haskell	██████
Git	███████████
Scala	█████

(Scale: Hello World → Fluent)

TOOLS

Databricks
AWS
Looker
Tableau
Figma
Jira/Linear
Github Actions

LIB.

Pyspark
MLFlow
Tensorflow
Numpy-Pandas
Flask
Plotly-Dash
Pytest

WORK EXPERIENCE

VINN Automotive Technologies Limited

Data Engineer   Jan. 2022- Mar. 2023

- Architected and delivered an end-to-end ETL process from start to finish, including:
  - Documented a comprehensive design doc outlining requirements, success metrics and timeline for project.
  - Developed a robust ETL solution to ingest and process gigabytes of data using PySpark code and integrated it with external systems using RESTful APIs, resulting in a 5X increase in processing speed.
  - Utilised best practices in CI/CD to ensure scalability, unit and integration testing and version control using Git.
- Built and presented Looker Dashboards for marketing data to executives which informed their decision making.
- Independently developed an MLOps pipeline to put vehicle image recognition models (deep learning) in production.
- Led an end-to-end data ingestion to data visualisation project, implementing a comprehensive solution for collecting, processing, and visualising sales data on Looker dashboards.
- Conducted thorough code reviews of deep learning algorithms and models, ensuring adherence to best practices and identifying opportunities for optimization and improvement.

Jr. Data Engineer   Aug. 2021 - Dec. 2021

- Designed and implemented an AWS Lex chatbot integrated with Facebook Messenger, enabling real-time communication with customers and effectively addressing their concerns, resulting in improved customer satisfaction.
- Spearheaded the development of data infrastructure to maintain data integrity and optimize storage.
- Deployed and maintained a Flask web app on Heroku for another team to clean raw data, and send KPIs to partners.
- Engineered a scraper tool to increase size of datasets for data scientists to train image recognition models.

Strategic Business Analyst   Jan. 2021 - May. 2021

- Researched and delivered report exploring VINN, competitors and customer segments, later used for financing.
- Created VINN's first metrics dashboard using Plotly Dash and Python to track sales team's growth.

EDUCATION

University of British Columbia

Master of Management (Sauder School of Business)   2020 - 2021

A broad spectrum of business fundamental disciplines, including marketing, strategic management and operations.

Bachelor of Science   2016 - 2020

Major: Cognitive Systems (Computational Intelligence and Design Stream) - Dean's Honour List

CERTIFICATIONS

Databricks Certified Data Engineer Associate - Apr. 2023
AWS Certified Cloud Practitioner – Jan. 2023
Databricks Spark Certified Developer – Nov. 2022

INTERESTS

Mentorship Program: Taught 7th grade mathematics
Coding Python mini projects and reading ML research

LANGUAGES

English (Fluent) | French (Fluent) | Mauritian Creole (Native)