Mohammad Ghavidel

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Website
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- Data Scientist with **5+** years of expertise in Azure ADF, learning, data modeling, and building pipelines.
- Applying data driven insight to solve real-world problems in R&D, Transport, and logistics domains.
- Proficient in Python, cloud deployments via AWS and Azure, and accompanied with, feature engineering, data wrangling, Data structure and Algorithm.

SKILLS

Languages	Python [NumPy, Pandas, Scikit-learn, TensorFlow, Keras, Torch, Spark] , R, Java
Machine Learning/ AI	Computer vision, (Demand) Forecasting, Deep learning, GenAI, Time series
Cloud database	Azure ADF, Azure Studio, dbt, Snowflake, Apache Airflow, AWS SageMaker, SSRS , SQL
Software	ArcGIS, Power BI, Tableau, Docker, Git, BitBucket
Comunication	English, French (intermediate)

TECHNICAL EXPERIENCE

Business Intelligence Developer   **2024 – Now**
Charton Hobbs   *Montreal, Canada*

Technologies: Power BI, Azure ADF, SQL, Fabric, Business central, Python, Jira, Azure Synapse, Git
- Developed an end-to-end data pipeline to automate ETL, and store data in warehouse from dynamic websites using Python (BeautifulSoup, Selenium), ADF.
- Designed a KPI in azure to calculate products ROI by integrating sales and promotional datasets via Python and warehouse. Applied clustering techniques to identify high-performing promotional strategies, resulting in a **300%+ sales increase** during promotional periods.

Data Scientist   **2022 – 2024**
Intact Insurance - Data Lab   *Montreal, Canada*

Technologies: Azure, Confluence, Snowflake, Python, Spark, Linux, TensorFlow, Power BI
- Developed and executed complex SQL queries in Snowflake to pinpoint crash locations, utilizing smartphone reorientation algorithms and A/B testing for validation and enhanced accuracy.
- Engineered time-series machine learning models CNN-LSTM, ResNet and Prophet to convert charts into heatmaps, boosting accident detection **accuracy by 12%** (**Handling over 10 million data flow daily**).
- Creating a robust data processing pipeline clean and analyse **10+ thousands** response to insurance claim data using Bert, Naive Bayes, LDA, GPT (LLM), and BiLSTM model.

EDUCATION

Master of Transportation Engineering, *Polytechnique Montréal (University of Montreal)*	2022 – 2024
Exchange program, Computer Science, *McGill University*	2022 – 2023
Bachelor of Highway and Civil Engineering, *University of Tehran*	2016 – 2019

AWARDS AND VOLUNTEER JOBS

Academic Scholarship for 50'000 CAD, HEC Montreal	2022 – 2024
Presenter/Co-Author at the KTH Royal Institute of Technology Conference	2021
Member of organising team of the WCTR conference Montreal	2023

CERTIFICATION

Microsoft Azure Fundamental AI-900, *Microsoft*	2024
Neural Networks and Deep learning, *DeepLearningAI*	2021
Natural Language Models, *University of Michigan*	2021
Machine Learning, *Stanford University*	2019