

Mozhan Pournemat

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SUMMARY OF QUALIFICATION

- Strong experience in Python, SQL, and MS Excel with a focus on data analytical skills, mathematical modelling, and optimization.
- Enthusiastic about working on projects that have positive impacts on Canadian's lives.
- Experienced in cleaning and analysing datasets through the programming languages Python, SQL.
- Experienced in data visualization through data manipulation and building dashboards through real-time visualization tools such as Tableau and Microsoft Power BI.
- Experienced working with raw data and transforming it to valuable insight.
- Experienced working both in teams and individually while generating innovative ideas.

AREAS OF EXPERTISE

- Analyzing data
- Data Visualization
- Time Series Analysis
- Statistics modeling
- Predictive analysis
- Sentiment Analysis

Technical Skills

- Python (Jupyter Notebook, PyCharm, Google Colab, Visual Studio)
- SQL
- AWS Transcribe, comprehend, S3
- HTML5 & CSS3
- C programming language
- Tableau
- QDA miner
- Microsoft Office Suite: Excel, PowerPoint, Word, Outlook, and SharePoint

Work Experience

Data Analyst

May 2022-Present

CanadaWheels, Ottawa, Canada

- Annotating, training, testing, iterating, and production monitoring of time series forecasting
- Analyzing customer data to provide meaningful insights
- Work with structured and unstructured raw data to design and develop innovative predictive models, metrics, and dashboards to uncover actionable insights
- Visualize and report data findings creatively in a variety of visual formats that provide insights to the organization
- Continuously enhancing knowledge / expertise in own area and keeping current on emerging trends/developments and grow knowledge of the business, analytical tools, and techniques

Data Analyst

March 2021-April 2022

TripScript, Ottawa, Canada

- Identified business opportunities for the company after the pandemic using unsupervised machine learning technics by extracting data from social media and preprocessed the data by removing noises, and unnecessary text.
- Developed a machine learning model using Topic modeling and Chance discovery to find the most wanted topics to find the business opportunities.

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- I designed a fully automatic AWS pipeline to fetch, denoise and transcribe all TripScript's audio files by using AWS Transcribe + S3. The results were automatically pumped into AWS comprehend for sentiment analysis.
- Used various signal processing and NN to denoise the audio files and remove the silence segments to enhance the accuracy and minimize the cost.
- Used various analytical techniques to convert the sentiments to some actionable KPIs and metrics.

Junior Data Analyst

May 2019-Jan 2020

ProshaSoft, Tehran, Iran

- Gathered and analyzed data from clients that were originally stored in MySQL data base.
- Assisted in building analytics tools to manage data and streamline data analysis using Python.
- Conducted detailed analysis and research through real time visualization tools such as Tableau and provided business insights to assist the project manager with the successful implementation of the project.
- Ensured provision of appropriate analytical support and outcome recommendations for key stakeholders.
- Examined documents and reports and presented findings in Excel and PowerPoint.

Education

Master of Applied Business Analytics

Jan2020-June2021

Carleton University

Supervisor: Michael Weiss

Courses: Social Analytics, Integrated Product development, applied analytics, Machine learning

B.Sc. In Software Engineering

Sep2013-Oct2018

Tehran Azad University

Courses: Data Structure, Data mining, Data storage and retrieval, Advanced programming, Algorithm design

Conference and Publication

- Pournemat, M., & Weiss, M. (2021). Identifying business opportunities using topic modeling and chance discovery. In ISPIM Conference Proceedings (pp.1-11). The International Society for Professional Innovation Management (ISPIM).

Volunteer

Engineering and Computer Science Graduate Poster Competition

March 2020

Carleton University