Navid Mashinchi

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SUMMARY

Results-driven data professional with 5+ years of experience. Currently working as a Data Scientist I at Kohl's and Adjunct Professor at the University of Denver. Recognized with the KDnuggets Silver Blog and Streamlit New User of the Month awards.

WORK EXPERIENCE

Data Scientist I, Kohl's, *Remote* June 2022 – Present

Product Recommendations:

• Deployed a hybrid matrix factorization model (recommender system) to provide recommendations of similar items for a given seed product on Kohls.com's Product Detailed Page (PDP) using LightFM, BigQuery, Kubeflow, and Vertex AI, resulting in a $13.8 million revenue lift compared to the legacy Similar Items algorithm.

Supply Chain:

• Implemented a production-ready LightGBM model using Vertex AI and BigQuery to predict inventory item arrival at the United States Port of Entries, resulting in improved accuracy for estimated time of arrival by 67% for inferences made six months in advance of purchase order approval.
• Modularized notebook code into Python scripts and Kubeflow components by using functional programming to successfully deploy prototype model into production.
• Developed a real-time performance monitoring dashboard using Streamlit, enabling continuous tracking and assessment of the model's performance in the production environment.

Associate Data Scientist, Kohl's, *Remote* September 2021 – June 2022

• Promoted within ten months for exceeding goals from Associate Data Scientist to Data Scientist I.
• Developed machine learning models in Python using data stored in MongoDB for the Supply Chain team to predict when inventory will arrive at particular supply chain journey segments to provide merchants and logistics teams with better information for planning purposes.
• Optimized the ML models by hyper-parameter tuning using Optuna.
• Data visualization using Seaborn and Matplotlib to better deduce results on sampled data.

Adjunct Professor, University of Denver, *Remote* June 2022 – Present

• Currently lecture graduate students enrolled in Database Organization and Management I.
• Provide office hours for graduate students to answer questions regarding course materials.
• Other courses taught: Machine Learning.

Lead Analyst, Vancouver Whitecaps FC, *Vancouver, BC, Canada* June 2016 – February 2018

• Managed the analytics department, consisting of one full-time analyst and three interns after losing the supervisor without a drop-in output by providing consistent analytical services to the staff, players, and senior leadership resulting in reaching the MLS playoffs.
• Created 34+ analytical reports on the opposition through data collection and uncovering patterns and trends for the MLS coaching staff.
• Presented research findings to coaches weekly and wrote requested summaries detailing the department's state to senior leadership.

Assistant Analyst, Vancouver Whitecaps FC, *Vancouver, BC, Canada* January 2015 – May 2016
- Supported the department head by analyzing future opposition through statistical and video analysis.
- Collected and analyzed data on prospective incoming players to help the club make better decisions on player acquisitions.
- Led a team of three interns, trained them on the department's operations procedures, resulting in one full-time hire.

EDUCATION & AWARDS

Master's in Data Science, University of Denver, *Denver, CO, USA* August 2021
- GPA: 3.92/4.00

Bachelor of Commerce, University of British Columbia, *Vancouver, BC, Canada* December 2015
- Specialization: Accounting

KDnuggets Silver Blog – March Award, **Award Link** April 2021
- Earned the KDnuggets Silver Blog March award for having over 9000 views for my article: "The Portfolio Guide for Data Science Beginners".

Streamlit New User of the Month Award, **Award Link** March 2021
- Earned the new user of the month award for my COVID-19 dashboard (web app) and articles that I shared.

SKILLS

- **Programming Languages:** Python, R, JavaScript.
- **Data Science:** Data Cleaning & Wrangling (Pandas, NumPy), Data Visualization (Matplotlib, Seaborn, Plotly, Folium, Geoplot, Ggplot2), Big Data (Spark), Statistics, Hypothesis Testing, Modeling, Interpretation.
- **Machine Learning:** Scikit-Learn, Supervised ML, Unsupervised ML, TensorFlow, Keras.
- **Databases & Others:** SQL, MongoDB, Relational Algebra, ER Modeling, GitHub, Git, Streamlit, Heroku, HTML, CSS, Node.JS, Google Cloud Platform, Vertex AI, Kubeflow.