Navid Mashinchi

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SUMMARY

Data Scientist with 4+ years of experience driving measurable business impact in retail and supply chain. Currently at Kohl's, leading the development and deployment of scalable ML systems including recommender systems and forecasting models. Experienced in productionizing ML pipelines using Vertex AI and Kubeflow, and teaching graduate level data science as an Adjunct Professor. Recognized by KDnuggets and Streamlit for contributions to the data science community. Experienced in mentoring interns and junior data scientists.

WORK EXPERIENCE

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

Product Recommendations:
• Led the design, development, and deployment of a hybrid matrix factorization model using LightFM for Kohls.com product recommendations, resulting in a **$13.8M revenue lift**.
• Expanded personalization coverage from **500K customers to 20M customers**, significantly increasing the model's reach and business impact.
• Built scalable pipelines using BigQuery, Vertex AI, and Kubeflow to serve recommendations across the Product Detail Page.
• Coached and mentored interns and junior data scientists on the Product Recommendation team, helping onboard new members and supporting technical growth.

Supply Chain:
• Led the design, development and deployment of a LightGBM model to forecast inventory arrival at U.S. ports, increasing 6-month forecast accuracy by **67%**.
• Refactored Jupyter notebooks into modular Python scripts and Kubeflow components for production use.
• Created a real-time monitoring dashboard with Streamlit to assess live model performance.

Associate Data Scientist, Kohl's, *Remote*   September 2021 – June 2022
• Promoted within 10 months for exceeding performance goals.
• Developed predictive models using Python and MongoDB to estimate inventory movement across supply chain segments.
• Tuned model performance with Optuna and visualized results using Seaborn and Matplotlib.

Adjunct Professor, University of Denver, *Remote*   June 2022 – Present
• Teach graduate-level courses including "Database Organization and Management I" and "Machine Learning."
• Host office hours and provide mentorship to students pursuing data science careers.

Lead Analyst, Vancouver Whitecaps FC, *Vancouver, BC, Canada*   June 2016 – February 2018
• Managed analytics team after supervisor departure, maintaining output and supporting team through a playoff season.
• Delivered 34+ tactical reports on opposing teams using data analysis and match footage.
• Regularly briefed coaching staff and leadership on insights and trends.

Assistant Analyst, Vancouver Whitecaps FC, *Vancouver, BC, Canada*   January 2015 – May 2016
• Provided statistical and video analysis on opposition and potential recruits.
• Trained and managed interns, one of whom was hired full-time.

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

• ML & AI: LightFM, LightGBM, Scikit-Learn, TensorFlow, Keras, Supervised & Unsupervised ML, Forecasting, Recommender Systems
• Data Engineering: Python, SQL, BigQuery, MongoDB, Pandas, NumPy, Spark, Relational Algebra, ER Modeling
• Visualization & Dashboarding: Streamlit, Seaborn, Matplotlib, Plotly, Folium, Ggplot2
• Cloud & MLOps: Vertex AI, Kubeflow, GCP, GitHub, Git, Heroku, Functional Pipelines
• Other: HTML, CSS, Node.JS, JavaScript, R