Navid Mashinchi

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PROFESSIONAL EXPERIENCE

Kohl's   **September 2021 - Present**

Data Scientist I, Product Recommendations   June 2023 – Present
- Led the design, development, and deployment of a Hybrid Matrix Factorization (HMF) model using LightFM, BigQuery, Vertex AI, and Kubeflow 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.
- Led code reviews, architecture design sessions for HMF model.
- Drove cross-functional collaboration between data science, engineering, and product to integrate recommendations on product detail page.
- Conducted technical interviews to evaluate candidates for the data science team.

Data Scientist I, Supply Chain Movement   June 2022 – May 2023
- Developed and productionized a LightGBM based forecasting model to predict inventory arrival at U.S. ports, boosting 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.
- Coached interns and junior data scientists on the team, helping onboard new members and supporting technical growth.

Associate Data Scientist, Supply Chain Movement   September 2021 – May 2022
- Promoted within 10 months for exceeding performance goals.
- Prototyped and evaluated multiple ML models to assess feasibility of forecasting inventory arrival at U.S. ports.
- Tuned model performance with Optuna and visualized results using Seaborn and Matplotlib.

University of Denver   **June 2021 - Present**

Adjunct Professor, Applied Data Science & AI Master's Program   June 2022 – Present
- Currently lecture graduate students enrolled in Database Organization and Management I.
- Other courses taught: Machine Learning.

Teaching Assistant, Applied Data Science & AI Master's Program   June 2021 – August 2021
- Assist graduate students enrolled in Data Science Tools 1 & Tools 2 with course materials during office hours.
- Evaluate student work for both courses and record grades.

Vancouver Whitecaps FC   **January 2015 – February 2018**

Lead Analyst, 1st Team - Major League Soccer   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, 1st Team - Major League Soccer   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   August 2021
Bachelor of Commerce, University of British Columbia   December 2015
KDnuggets Silver Blog – March Award, Award Link   April 2021
- Earned the 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:** Python, R, JavaScript.
- **ML & AI:** Sklearn, TensorFlow, Keras, Recommender Systems, Forecasting, Supervised & Unsupervised Learning.
- **Data Engineering & Analytics:** SQL, BigQuery, MongoDB, Spark, Pandas, NumPy, Relational Algebra, ER Modeling.
- **Visualization & Dashboarding:** Streamlit, Plotly, Seaborn, Matplotlib, ggplot2, Folium.
- **Cloud & MLOps:** Vertex AI, GCP, Kubeflow, Git, GitHub, Heroku, Functional Pipelines, CI/CD.