Navid Mashinchi

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EDUCATION

Master's in Data Science, University of Denver, *Denver, CO, USA* August 2021
- GPA: 3.91/4.00
- Relevant Courses: DS Mathematics 1 & 2, DS Statistics 1 & 2, Database Organization & Management, Algorithms, DS Tools 1, Machine Learning, Data Mining, Data Visualization.

Full Stack Web Development Certification, Thinkful, *New York, NY, USA* August 2019
- Modules included: Front-End & Back-End Fundamentals, Front-End Frameworks, Computer Science Fundamentals & Server-Side JS with Node.js.

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

SKILLS

- **Programming Languages:** Python, R, JavaScript.
- **Data Science:** Data Cleaning & Wrangling (Pandas, NumPy), Data Visualization (Matplotlib, Seaborn, Plotly, Folium, Geoplot, Ggplot2), Statistics, Hypothesis Testing, Modeling, Interpretation.
- **Machine Learning:** Scikit-Learn, Supervised ML (Linear & Logistic Regression, Support Vector Machines, Decision Trees, Random Forests, Naïve Bayes, K-Nearest Neighbors), Unsupervised ML (K-Means Clustering, Hierarchical Clustering, Principal Component Analysis), TensorFlow, Keras.
- **Databases:** SQL, MongoDB, Relational Algebra, ER Modeling.
- **Others:** GitHub, Git, Streamlit, Heroku, HTML, CSS, Bootstrap, Node.JS, Jasmine, SportsCode.

WORK EXPERIENCE

Assistant Analysis, Vancouver Whitecaps FC, *Vancouver, BC, Canada* January 2015 – February 2018
- Helped the team achieve the MLS playoffs in 2015,2017, win the 2015 Amway Canadian Championship and advance to the 2017 Concacaf Champions league semi-final by providing 34+ in-depth analytical reports per season on the opposition through data collection and uncovering of patterns and trends to the MLS coaching staff.
- Led the analytics department, consisting of one full-time analyst and three interns after losing the supervisor. Managed the department during the transition phase without a drop-in output by providing consistent analytical services to the coaching staff, players, and senior leadership.
- Presented results of the analysis to coaching staff weekly and wrote requested executive summary detailing the analytics department's current state to senior leadership.

Performance Analyst Internship, Vancouver Whitecaps FC, *Vancouver, BC, Canada* June 2014 – December 2014
- Launched the Analytics department's first live stats application for games by developing an MS Excel spreadsheet that streamed real-time data to coaching staff's electronic devices.
- Coordinated and organized the department's video database by filming, managing, and sharing training and game footage to the entire soccer operations department made up of 100+ employees.
- Led a team of three interns, trained them on the analytics department's operations procedures, and recruited/interviewed prospective interns for the analytics department.

PROJECTS

The Current State of COVID-19 From 3 Different Perspectives | App February 2021 – March 2021
- Developed a real-time dashboard to analyze the state of COVID-19 from three perspectives (Globally, WHO Regions, and the US).
- Applied Pandas and NumPy on 11 different data frames for data cleaning and wrangling purposes to update the data.
- Created advanced visualizations (Plotly, Folium) and published the dashboard using Streamlit.

An Examination of Fatal Force by Police in the United States | GitHub October 2020 – November 2020
- Examined the factors that play into the horrible event of a fatal shooting by the US police.
- Predicted mental illness status by implementing a Logistic Regression, SVC, SGD, Decision Tree and Random Forest.
- Improved the accuracy score from 72% to 77% by fine-tuning the final model using RandomizedSearchCV.

Predicting number of COVID-19 deaths using Time Series Analysis | GitHub August 2020 – September 2020
- Predicted the number of deaths in the US starting from August 1 – August 21 and August 1 – November 1.
- Implemented the differencing technique to make the data stationary to conduct a time series analysis using the ARIMA model.
- Forecasted 18589 deaths, and CNN projected 19000 deaths between August 1 and August 21.
- Forecasted 235967 deaths, and CNN projected 231000 deaths between August 1 and November 1. The actual death number, according to Worldometer, was 236072.

VOLUNTEER EXPERIENCE

Student Ambassador Data Science Master's Program, University of Denver, *Denver, CO, USA* Present
- Speak to prospective students via phone or in the virtual classroom.
- Participate in prospective student panel webinars, round tables and in PR opportunities.