Navid Mashinchi

Data Scientist

+ Personal Info

Phone
916-330-0268

E-mail
nmashinchi@gmail.com

City
Sacramento, CA

Date of birth
16-02-1989

GitHub
https://github.com/navido89

Portfolio
https://www.navidma.com/

LinkedIn
https://linkedin.com/in/navidmashinchi

Twitter
https://twitter.com/NMashinchi

Medium
https://medium.com/@NMashinchi

+ Skills

Data Science: Python, R, scikit-learn, Pandas, Numpy, Seaborn, Matplotlib

Databases: *SQL, MongoDB*

Web Development: JavaScript, HTML 5, CSS3, Bootstrap, Node.JS, Heroku, Jasmine.

Others: GitHub, Git, SportsCode, Hudl, SoccerLab, Coach Paint, Sketch.

Personal Skills: Disciplined, responsible, highly motivated with the ability to work individually or within a team environment.

+ Languages

English

Native or bilingual proficiency

German

Native or bilingual proficiency

Farsi

Professional working proficiency

+ Blogs

2020-12
An Examination of Fatal Force by Police in the US

2020-09
Predicting number of Covid19 deaths using Time Series Analysis (ARIMA MODEL)

2020-10
The Data Science Process — 8 Steps To A Successful Project

+ Education

2019-09 - present

University of Denver - Master's In Data Science

- Anticipated graduation date: August 2020
- Relevant Courses: DS Mathematics 1 & 2, DS Statistics 1 & 2, Database Organization & Management I, Algorithms, DS Tools 1, Machine Learning.

2018-08 - 2020-08

Bloc - Full Stack Web Development Certification

- Modules included:Front-End & Back-End Fundamentals, Front-End Frameworks, Computer Science Fundamentals & Server-Side JS with Node.js.

2010-09 - 2015-12

University of British Columbia - Bachelor Of Commerce

- Specialization: Accounting
- UBC Soccer Scholarship, 2010 - 2015
- All Canadian Academics, 2011 - 2012

+ Experience

2020-11 - present

Student Ambassador Data Science Master's Program

University of Denver

- Speaking to prospective students via phone or in the virtual classroom.
- Participating in prospective student panel webinars, round tables and PR opportunities.

2015-01 - 2018-02

Performance Analyst

Vancouver Whitecaps FC

- Attained the MLS playoffs in 2015, 2017, win the 2015 Amway Canadian Championship and advance to the 2017 Concacaf Champions league semi-final, by providing in depth analytical reports on the opposition to the MLS coaching staff.
- Led the Analysis department after losing supervisor. Managed the department during the transition phase without a drop-in output, by providing consistent analytical services to the coaching and playing staff.

2014-06 - 2014-12

Performance Analyst Internship

Vancouver Whitecaps FC

- Launched the Analysis department's first live stats application for games, by customizing a MS Excel spread sheet that streamed real-time data using Data Streamer add-in to coaching staff's electronic devices.
- Coordinated department’s video database, by filming and organizing training sessions and games.

+ Projects

2020-10 - 2020-11

An Examination of Fatal Force by Police in the US | GitHub

Python | Classification & Multi Classification Problem

- Examined the factors that play into the horrible event of a fatal shooting by the police in the US.
- Cleaned the data that contained of 5700 data points, by using pandas and as feature engineered, 9 out of the total 17 variables type had to be transformed into different types.
- Predicted the status of mental illness, by implementing a Logistic Regression, SVC, SGD, Decision Tree and Random Forest.
- Improved the accuracy score by 7% by fine tuning the final model (Random Forest) using RandomizedSearchCV.

2020-08 - 2020-09

Predicting number of Covid19 deaths using Time Series Analysis (ARIMA MODEL) | GitHub

R | Time Series Forecasting Problem

- Predicted the number of deaths in the US starting from August 1st – August 21st and August 1st – November 1st.
- Cleaned the data that was made of 34033 rows and 34 columns, by selecting the US data points.
- Implemented the differencing technique to make the data stationary in order to conduct a time series analysis.
- Applied the Augmented Dickey-Fuller Test to make sure the data is stationary and used the ARIMA model to make the projection.
- Projected 18589 deaths and CNN projected 19000 deaths between August 1st and August 21st.
- Projected 235967 deaths and CNN projected 231000 deaths between August 1st and November 1. Actual death number according to Worldometer was 236072.

2020-02 - 2020-03

Corona Virus vs Global Stock Market | GitHub

Python | Exploratory Data Analysis Problem

- Focused on the overall impact the corona virus has had on the global stock market in the early stages (February - March) of this global pandemic. My role was to focus on the data points in relation to the confirmed Covid19 cases.
- Cleaned the data set that consisted of 483 rows and 64 columns using the pandas module.
- Applied matplotlib for data visualization and argparse module for command line arguments and options.
- Concluded that the virus had a big impact on the global economy by providing visuals that showed how the global economy was impacted by the virus in different regions around the world.