

Anthony Moubarak

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EDUCATION

Lebanese American University (LAU)

2017 – Present

Bachelor of Engineering, Industrial Engineering (in progress – graduate December 2021); 3.2 CGPA; Dean's Honors List

EXPERIENCE & PROJECTS

BridgeAthletic - Data Science Intern

June-August 2021

- Created algorithms that compute a recovery score and a training score for professional athletes using their workout and recovery data.
- Deployed models to a Flask application where users can simulate their recovery and training scores using their own data and give feedback on the accuracy of results.
- Built an analytics web page using Flask that contains various visualizations to showcase the different ways recovery and training scores can be presented to athletes.

IBM Data Science and Machine Learning Capstone Project

November 2020

- Performed elaborate exploratory data analysis on the Department of Housing Preservation and Development of New York City's top complaints and how are they spread throughout the city.
- Developed a LSTM (Long short-term memory) time series model that accurately predicts the number of resident complaints to expect in the future.

Philip Morris International – Business Analyst Intern

July-August 2019

- Designed visualization reports on sales data of all Marlboro products for the first two quarters of 2019.
- Used consumer behavior data to build a scenario analysis for a newly launched product in the Lebanese market.

ACHIEVEMENTS & CERTIFICATES

IBM Data Science Professional Certificate

- Learned the fundamental Python libraries Pandas, NumPy, Matplotlib, Scikit-learn, Keras, etc. for data set manipulation, visualizations, and machine learning.
- Implemented course content into real world problems of various kinds, including a final capstone project.

Oracle Database SQL Certificate Associate

- Demonstrated compelling use of Data Definition Language (DDL), Data Manipulation Language (DML), and Data Control language (DCL) in Oracle SQL.

Lebanese American University Case Competition 2019 finalist

- Worked on a market revamp strategy for a top local FMCG company struggling to keep up with the current market.

Lebanese American University Short Movie Making Competition winner

- Directed a 3-minute short movie that represents the power of music in conveying emotion.

PERSONAL PROJECTS

Spotify Machine Learning Project

- Used Machine learning Classification algorithms to predict whether or not a song would make my Spotify playlist using various categorical as well as numerical features of songs.
- Optimized hyperparameters of Logistic Regression and Support Vector Machine models to end up with an 89% accurate Logistic Regression model.

Fantasy Premier League Analytics Project

- Imported premier league players' performance data for the premier league 2020 season and visualized them using python's matplotlib and seaborn packages to get a deeper understanding of their performances.
- Created an algorithm that returns the best feasible 11 player team in terms of total points generated and return on investment based on a user's inputted value for team budget.

SKILLS & HOBBIES

Software Skills

- Python
- SQL
- R
- Microsoft Office

Hobbies

- Data Science Blogging on Medium
- ISSA certified Weightlifting Coach
- CrossFit Open 2021 competitor (42nd in Lebanon)
- Taking online Data Science courses on Udemy