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EDUCATION AND TRAINING

Udemy

2022 Python Data Science and Machine Learning Masterclass
Coursework

Dec 2022

Pandas Dataframes
Supervised Learning Algorithms
Natural Language Processing

Seaborn Visualization
Unsupervised Learning Algorithms
Data Cleaning and Preparation

University of South Florida

B.A. in Mathematics

Coursework

Dec 2014

Intermediate Analysis
Numerical Analysis
Essentials of Statistics

Calculus 1-3
Optimization
Bridge to Abstract Mathematics

PROJECTS

Note and Instrument Identification from Audio File

Jan 2023

[Link to Project](#)

- Extracted several distinct features from audio files using Librosa.
- Used multiple visualization tools to showcase data variety and correlation.
- Tested various ML models to classify audio files by instrument and pitch.

Predicting Black Friday Sales

Jan 2023

[Link to Project](#)

- Created data visualizations used to explore consumer data and its correlation to purchasing habits.
- Deployed random forest regression to predict potential sales for the company, as well as for individual product categories.

Reddit Sentiment vs Apple Stock Price

Jan 2023

[Link to Project](#)

- Used natural language processing tools to create sentiment scores for individual comments on the current state and future of Apple stock.
- Combined NLP data with stock price information, used feature engineering to create meaningful derivations of price action.
- Trained models on combined data to assist in stock trading strategies.

SKILLS

Technical

Machine Learning: Classification, Regression, Supervised and Unsupervised models, Boosting Methods, Training and Model Deployment

Data Analytics: Data Cleaning, Feature Engineering, Data Visualization, Statistical Analyzation

Software

Proficient: Python, Scikit-Learn, Seaborn, Pandas, Numpy, Matplotlib, Microsoft Office Suite

Familiar with: HTML, CSS, SQL