ANH PHAM

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PROFESSIONAL SKILLS

- Computer skills: Excel, Access, Word, PowerPoint, Azure Data Studio, Bloomberg Terminal, SAP
- Programming: Python (NumPy, Pandas, Scipy, Scikit-learn, TensorFlow, PyTorch, BeautifulSoup, NLTK), R (Tidyverse, RANN), PostgreSQL, SAS
- Visualization and Statistical Software: Tableau, Python (Matplotlib, Seaborn, Plotly, Wordcloud), R (Ggplot2), SAS
- Big Data: Hadoop, Hive, Spark
- Analytics, Statistical Analysis, Machine Learning, Financial Modeling, Quantitative Analysis, Security Analysis, Problem Solving, Valuation, Research

PROFESSIONAL EXPERIENCE

FIVERR
Freelance Data Analyst

Chicago, IL
Jun 2020 - Present

- Provided data processing, data visualization, and data extracting insights from customer requests using Python, R and SAS
- Applied time series analysis, predictive analysis, and supervised learning (model preparation, classification problems) by applying machine learning algorithms (Logistic and Linear Regression, Decision Trees, Random Forest, SVM) for utilizing dataset

IVYLINE CAPITAL GROUP, LLC.
Apprenticeship Equity Analysis

Lancaster, PA
Sep 2018 – May 2019

- Developed complex portfolio management strategies and effectively applied them to security analysis within the investment industry
- Created a successful investment portfolio that used the investment strategy with derivative analytical plan to invest $10 millions paper money on a Think or Swim platform on performed equities: XOM, EOG, GM, BA, and TSLA to gain $1.731 millions in 9 month
- Utilized derivative and statistical analysis effectively to evaluate the return investment in equity options and portfolio management

ANALYTICS PROJECT EXPERIENCE

AMAZON FINE FOOD REVIEW.

Jan 2021

- Utilized Sparse Matrix by using Python packages (NumPy, Pandas, Scipy) to design recommendation systems based on food item popularity and users' ratings
- Applied text processing with NLTK package and Scikit-learn packages (TfidfVectorizer, CountVectorizer, Gensim) to develop the sentiment analysis that predicts positive and negative reviews by utilizing machine learning technique (Logistic Regression and Bernoulli Naïve Bayes)
- Created clustering model with K-mean to extract top words that impact the sentiment analysis and applied t-SNE to plot those words with Plotly package
- Developed deep learning model to learn the dataset better with ANN and RNN – LSTM by applying TensorFlow.Kera and tunning model to gain higher accuracy scores

AIRPLANE CRASHED.

Nov 2020

- Utilized Python packages (Pandas, NumPy, Searborn, Matplotlib) to develop a story of the airplane crashed trending based on time, regions, operators, and aircraft
- Built clustering models (K-Mean, Hierarchical, DBSCAN) to cluster airplane crashed and texting on the dataset by utilizing machine learning technique (Scikit-learn) and evaluated the best model based on a loop function of Silhouette Coefficient scores
- Applied dimension reduction (PCA, t-SNE, UMAP) to visualize accuracy results

FASHION MNIST.

Nov 2020

- Created unsupervised learning/ clustering models (K-Mean, Hierarchical, Gaussian Mixture, DBSCAN) by utilizing machine learning package (Scikit-learn) to cluster the common images
- Evaluated the best model based on a loop function of Silhouette Coefficient scores
- Applied dimension reduction (PCA, t-SNE, LDA, UMAP) to visualize accuracy results
- Developed a 3D plot by applying Plotly

LENDING CLUB'S LOAN DATA FROM 2007 TO 2011.

Oct 2020

- Built a model in Python to improve a loan prediction repayment and analysis to the next level by utilizing machine learning technique (Scikit-learn) and by incorporating a strategy for hyperparameter tuning (GridSearchCV) to Radom Forest Classifier and Gradient Boosting Classifier
- Developed data story efficiently and effectively by cleaning out the unnecessary features and pointing out the core variables that have impacts on loan prediction model
- Clarified the best models that fit the dataset with high accuracy scores

EDUCATION

DEPAUL UNIVERSITY, KELLSTADT GRADUATE SCHOOL OF BUSINESS
Master of Science in Business Analytics: Data Science

Chicago, IL
Jun 2021

- Dean's Scholarship
- GPA 3.78 / 4.00
- Vice President of Kellstadt Business Analytics Organization

THINKFULL, INC.
Data Science Flex Coding Bootcamp

Chicago, IL
Feb 2021

LIBERTY UNIVERSITY, SCHOOL OF BUSINESS
Bachelor of Science in Business Administration: Finance

Lynchburg, VA
May 2018