Keshav Asokan

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EDUCATION

UNIVERSITY COLLEGE LONDON (UCL) **London, UK**

BSc Statistics, Economics and Finance (Achieved 2:1) *Sep 2015 – Jun 2018*

- **Technical skills**: Python, R, SAS, SQL, Tableau
- Completed Relevant Modules: Computing for Practical Statistics, Introduction to Practical Statistics
- Strong Python Skills: Track record of implementing NumPy, Pandas, Matplotlib, Scikit-learn libraries
- Achieved high grades in 2 in-course Data Science project: Brexit Referendum Voter Analysis, Population EDA
- Supplemented knowledge by completing 8 Data Camp courses on Data Scientist track to date

WORK EXPERIENCE

JP MORGAN **Kuala Lumpur, MY**

Analyst *2018 – 2020*

- Worked within Compliance team and COO's office as part of a global management rotation program
- Developed strong Excel skills to automate daily reconciliation calculation of bank's client exposure limits
- Drafted summary of newly prescribed regulatory to senior management which informed internal gap analysis efforts
- **Outcome**: Developed sharp communicative skills, strong collaborative abilities & good attention to detail

DATA SCIENCE PROJECTS

Word Frequency Analysis using NLP **Oct 2019**

- Employed Python's request package to scrape the popular novel Moby Dick from the Project Gutenberg website
- Applied BeautifulSoup from bs4 package to extract text from HTML data
- Utilized the natural language toolkit (NLTK) to tokenize, split and process all text within the novel
- Produced frequency distribution plots to identify "whale" as the most commonly used word

Predicting Credit Card Approval **Sep 2019**

- Used the Credit Card Approval dataset from the UCI Machine Learning Repository to build a logistic classification model which predicts if a credit card application would be approved
- Used mean imputation (numerical data) & mode imputation (categorical data) to account for missing data
- Employed common pre-processing techniques (scaling & label encoding) to prepare data for further analysis
- Performed a grid search of the model parameters to improve model's predictive ability

Audio Data Classification Algorithm **June 2019**

- Trained a classifier algorithm that is able to distinguish between Rock and Hip-Hop songs using Spotify data
- Applied Principal Component Analysis (PCA) to data for dimensionality reduction purposes
- Built a decision tree model using DecisionTreeClassifier within sklearn library to predict labels amongst training data
- Performed K-Fold Cross Validation to gauge model performance

LEADERSHIP EXPERIENCE

DATAGRASP **London, UK**

CEO *Sep 2018 – 2020*

- Created a student society focused on providing data science consulting services to businesses and non-profits
- Developed a strong outreach base by building partnerships with student societies in leading universities
- Secured former Chief Data Scientist at Intel USA and senior faculty members at UCL and LBS as strategic advisor for the project
- **Outcome**: Ran 2 successful project cycles which helped connect 11 students with value-adding projects

LANGUAGES, SKILLS, ACTIVITIES AND INTERESTS

Languages: English (Native), Malay (Native), Hindi (Basic)
Skills: Proficiency in Microsoft Word, Excel, PowerPoint, SAS, R, Python and SQL
Activities & Interests: Piano and Football