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Ashreet Sangotra

Data Scientist

Education

Data Science Master's Program

GREY ATOM - OCTOBER 2020

Curriculum: Basic Python, key Data Science Libraries, Probability and Inferential Statistics, Basic and Advanced Machine Learning Techniques - Supervised and Unsupervised.

Multiple Projects done as part of the Program can be found on my Github.

B.E Automobile Engineering

MUMBAI UNIVERSITY - JUNE 2020

Skills

1. Python 3 (NumPy, Pandas, Matplotlib, Seaborn, Sci-Kit Learn)
2. SQL, Tableau
3. Experimental Design - Hypothesis (A/B) Testing
4. Machine Learning (Linear and Logistic Regression, SVM, KNN, Decision Trees)
5. Advanced Machine Learning - Ensemble Learning (Random Forest, AdaBoost, GradientBoosting)
6. Foundational Deep Learning (ANN, CNN, NLP and RNN)
7. *(In Progress)* Keras and TensorFlow 2.0 (Google TF developer Certification)

Relevant Certifications

1. Machine Learning by Stanford University - Taught by Andrew Ng (Coursera)
2. Deep Learning Specialisation by deep learning.ai - Taught by Andrew Ng (Coursera)
3. *(In Progress)* TensorFlow Developer Professional Certificate by deeplearning.ai - Taught by Laurence Monorey (Coursera)

Achievements

1. Nationally awarded, for most growth in a product (+241%) - year 2016
2. Awarded National Best Case Practice (AIESEC India - Investment Model)

Main Projects

CODE-WORK ON GITHUB | DETAILED BLOGS ON PORTFOLIO WEBSITE

1. **Spotify | Discover Anytime:** Using classification techniques to find out potential favourite songs from a large Spotify Dataset. Attained Recall Score of > 0.9
2. **Clustering Geolocation Data of Taxi Ranks:** Defined key clusters of Taxi Ranks in Johannesburg, so we can build service stations for taxis operating in that region. Built a Hybrid Model combining HDBSCAN and supervised learning(KNN) for the best desired clustering.
3. **Customer Segmentation at InstaCart:** Used Clustering techniques and inferred customer segments based on customer's online shopping history. Explored the difference between different Dimension Reduction Techniques (PCA and t-SNE).

Professional Experience

AIESEC / London, UK / June 2018 - July 2019

FINANCE LEAD

1. Planned and managed a £800k annual budget, with regular reviews, revenue forecasting, manage expenses and cashflows through the year.
2. Successfully reduced bad debt from £120k to under £15k.
3. Responsible for the financial literacy of AIESEC Student Unions for various universities across UK.

AIESEC / Moscow, Russia / June 2017 - May 2018

ORGANIZATIONAL ANALYST

1. Created of an Internal Finance Distribution Model, reducing internal debts of local offices by more than 400% over 2 quarters.
2. Designed internal campaigns to boost performance during peak months.
3. Analysed markets and timelines to co-create strategies for core products.

Leadership / Volunteer Experience

AIESEC / Navi Mumbai, India / 2016

CITY MANAGER

1. Successfully facilitated 300+ international exchanges across 4 products.
2. Conducted training sessions for volunteers through local conferences, covering subjects from operations to cross cultural understanding.
3. Led a team of 10 volunteers directly & 100+ volunteers indirectly to achieve key annual goals.
4. Achieved annual growth of 148% operationally and growth of 122% financially (growth in net revenue)