AMANDEEP THIND

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Github: https://www.github.com/aman-thind?tab=repositories

SUMMARY

Self-motivated and reliable, looking for a role where I can abide in my passion for the community by creating, evolving, maintaining, and ultimately revealing meaningful insights that support and validate relevant, data-driven change. To satisfy my curiosity and challenge myself by using my skillset to implement scalable, statistical analysis, and beautiful visual assessments.

SKILLS AND INTERESTS

Programming language: Python
Packages & Frameworks: NumPy | Pandas | SciPy | Keras | Tensorflow | Scikit-learn
Data Visualization tools: Matplotlib | Seaborn | Plotly | Tableau | Google Data Studio
Comfortable with: MS Excel | SQL | AWS | GITHUB | GITLAB

Hands-on expertise on various Predictive Modelling techniques:
Linear Regression | Logistic Regression | Decision Tree | Random Forest | Gradient Boosting | Naïve Bayes | Support Vector Machine | K Nearest Neighbor | XGBoost | Neural Networks | Ensembling | Clustering.

EXPERIENCE

Data Analyst | STECH IT Pro Inc. | Toronto | July 2020- Dec 2020

- Optimized data collection procedures and generated reports on a weekly and monthly basis,
- Used advanced MS excel to create pivot tables, pivot reporting, and used other excel functions,
- Utilized MS SQL for database management and structure the database,
- Applied visualization toolsets for data intelligence and analysis,
- Data representation by predicting and modeling future outcomes.

Content Writer | Code Ready | Toronto | Jan 2020- May 2020

- Worked closely with training manager to develop classroom delivery strategies including multimedia preparations,
- Adequately prepared for each program by reading curriculum, watching training videos for training sessions,
- Developed training modules with practical hands-on experience by introducing fun and educational game-based learning,
- Established syllabus and assembled information for the development of newly revised courses,
- Evaluated the effectiveness of training modules, workshop and made changes accordingly,
- Reviewed course evaluation and implemented improvements, also made suggestions for improvement based on results/student feedback.

INTERNSHIP

Co-op at Eve Medical Inc. | Toronto | Feb 2019- April 2019

- Maintained and updated quality management system in order to maintain ISO 13485 certification,
- Data analysis of quality objectives for management review meetings,
- Contacted customers, updated records for post-market surveillance.

PROJECTS

Credit Card Fraud Analysis

Objective: A machine learning model to detect fraudulent transactions.
Role: Individual contribution. Spent <20 hours to complete the project.
Data: Credit card fraud detection dataset was obtained from Kaggle. Performed data analysis, checked skewedness of data, performed exploratory analysis to gain insight and applied machine learning algorithm.
Algorithm: Random Forest Classifier
Code: https://github.com/aman-thind/Credit_Card_Fraud_Analysis
Result: Recall of 85%

Safe Driving: Prediction of Insurance claim

Objective: Predicting likelihood of an individual to file an insurance claim within one year of subscription.
Role: Academic project in team, was responsible for applying various algorithms and check their efficiency by various metrics.
Data: The French Motor claims dataset was obtained from Kaggle. Handled null values, performed exploratory analysis, removed outliers, applied various machine learning algorithms to find the best model.
Algorithm: Naïve Bayes, SVM, KNN, Random Forest, Decision Tree
Code: https://github.com/aman-thind/Safe_Driving
Result: 70% accuracy and 82% F1-score in Naïve Bayes algorithm.

Netflix Recommender System

Objective: Making a content-based recommender system based on the description of movies and tv shows.
Role: Individual contribution. Spent <25 hours to complete the project.
Data: Netflix Movies and TV shows dataset was used. Performed statistical analysis, handled null values and worked on exploratory analysis to gain insight from the data.
Algorithm: Cosine Similarity
Code: https://github.com/aman-thind/Netflix_Recommendation_System

EDUCATION

CERTIFICATE: Artificial Intelligence Analysis, Design and Implementation
Durham College | Oshawa | Sept 2019- June 2020

DIPLOMA: Biotechnology Advanced (Fast-track)
Durham College | Oshawa | Sept 2018- June 2019

Master of Science: Biotechnology with Honors
Lovely Professional University | India | 2015- 2017

Bachelor of Science: Biotechnology
Lovely Professional University | India | 2012- 2015