

AMANDEEP THIND

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

SUMMARY

Self-motivated, reliable, and effective at capturing and gaining insight from datasets. Worked on various data science projects, interpreted data through researching, data visualization techniques, applied mathematics and statistics to create high-efficiency models using machine learning and deep learning algorithms. Looking for a position where I can apply and grow my skills.

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 | 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 and pivot reporting, and as well as VLOOKUP function,
- Utilized MS SQL and visualization toolsets for data intelligence and analysis,
- Converted data into actionable insights 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.

PROJECT

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.

Housing Prices Analysis

Objective: Predicting house prices in Iowa region based on size, rooms and other factors.

Role: Academic project in team, was responsible for designing project pipeline and exploratory data analysis.

Data: Ames housing dataset was used. Performed data analysis, handled null values, performed exploratory analysis, removed outliers and split the data in 70-30 ratio for model validation.

Algorithm: Linear Regression

Code: https://github.com/aman-thind/Housing_Price_Analysis

Result: Accuracy of 82%

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