Data Mining & Data Warehousing Project Real / Fake Job Posting Prediction Final Report

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Took	Deceription
Task	Description
Source	Link: https://www.kaggle.com/datasets/shivamb/real-or-fake-fake-jobposting-prediction?resource=download&select=fake_job_postings.csv
Columns & Rows Count	18, 17880
Pre Processing	 Deleted unnecessary columns. Converted all column text in single text format. Preprocessed using nltk library. Used word_tokenize for creating tokens. Used word_lemmatize for useful words in English. Used CountVectorizer to transform a given text into a vector on the basis of the frequency (count) of each word that occurs in the entire text.
Training Data	80%
Testing Data	20%
Model Evaluation	 Logistic Regression Accuracy Value = 0.9555369127516778 AUC Value = 0.8934 Confusion Matrix
	 3. Decision Tree Entropy Accuracy Value = 0.959731543624161 AUC Value = 0.7853 Confusion Matrix [3325 70] [74 107]]
	4. Decision Tree Gini

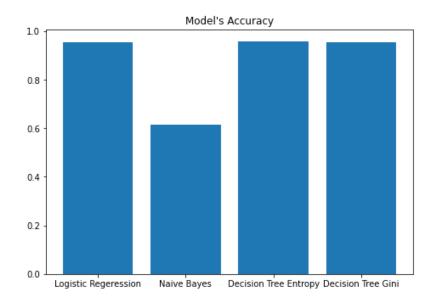
Accuracy Value = 0.9555369127516778

- AUC Value = 0.7778
- Confusion Matrix

[[3312 83] [76 105]]

GitHub Link: https://github.com/Haziquelqbal/Real-Fake Job Posting Prediction

Accuracy Graph



ROC Curve

