AACHAL TAYADE

DATA SCIENTIST

OBJECTIVE

Offering 3+ years of hands-on experience utilizing statistical modeling and machine learning techniques. Looking forward to an opportunity to grow & find more exposure, contributing to my fullest potential to deliver better insights and implement action-oriented solutions to complex business problems.

EXPERIENCE

Hexaware Technologies Pvt. Ltd., Pune
June, 2019

Project: Predict the Likelihood of Credit Card Default
Domain: Finance

- The **goal** was to utilize a data-driven approach of past data of credit cards in conjunction with machine learning to predict whether a customer will default on their credit card or not.
- Performed **EDA** such as Univariate & Multivariate Analysis.
- **Data Visualization** - Outliers, Skewness of feature (Seaborn, matplotlib).
- Implemented various Imputation, Transformation, Feature Selection, and **Hypothesis Testing**.
- Model Building, **Hyperparameter Tuning**.
- **Result** - Achieved 91% accuracy.

CONTACT

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SKILLS

- PYTHON
- MACHINE LEARNING ALGORITHMS
- PANDAS
- NUMPY
- MATPLOTLIB
- SEABORN
- SCIKIT LEARN
- SCIPY
- NLTK
- PYCHARM
- VS CODE
- GOOGLE COLAB
- ANACONDA
- GIT & GIT HUB
- FLASK

Project: Cross Sell for Vehicle Insurance
Domain: Insurance

- The **goal** was to test various classification models and find the best predicting features for current health insurance policyholders who will buy vehicle insurance.
- Performed **Data Cleaning** and **Preprocessing**.
- Exploration and Conceptualization of data.
- **Feature Importance**, Feature selection, creating API's, and testing them on Postman.
- **Result** - Achieved 85 % accuracy with Random Forest.
- **Retained 90%** of customers and **added 7%** new customers within 6 months.

Project: Disease Condition Prediction
Domain: Health Care

- The **goal** was to classify the condition of patients using the reviews of the drugs given by patients.
- Performed various tasks on datasets that come under the EDA pipeline.
- Categorization and restructuration of data.
- **NLTK** library for preprocessing such as **Lemmatization**, **Stemming**, and **Stop-words** removal.
- Use of **Bag of words** and TF-IDF vector for reviews.
- Building machine learning models such as Naive Bayes, and **TF-IDF vectorizer**.
- **Result** - Achieved 84 % accuracy for top 10 disease conditions.

EDUCATION

SECONDARY SCHOOL

J M Rathi English School

2009 - 2010

HIGHER SECONDARY SCHOOL

Abasaheb Garware College

2010 - 2012

BACHELOR OF TECHNOLOGY

Savitribai Phule Pune University

2012 - 2016

LANGUAGES

- ENGLISH
- HINDI
- MARATHI