Dhanashree Chavan

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Objective:

Innovative and a visionary person with excellent knowledge in the field of Data Science. The objective is to be a leading part of your organization to lift the global platform through my throughputs

Academic Qualifications:

Northeastern University, Boston, MA **Jan 2020 – Dec 2021**
Masters in Data Analytics with concentration in Statistical Modelling CGPA - 4.00/4.00
Relevant Coursework: Data Mining, Intermediate Analytics, Probability and Statistics and Data visualization.

Vishwakarma Institute of Technology, Pune **July 2013 – May 2017**
Bachelor in Technology in Computer Engineering

Software Skills:

- **Programming Exposure –** Python (NumPy, Pandas, Matplotlib, Scikit-learn, Seaborn), R (ggplot2)
- **Databases -** Microsoft SQL Server, SQLITE, MYSQL, Oracle
- **Algorithms, Models and Statistics –** Data Cleaning, Data Mining, Linear Regression, Lasso and Ridge Regression, Decision tree, Random forest, K-means clustering, Hierarchical clustering, Hypothesis Testing, A/B Testing
- **Software Tools –** Tableau, Spyder, Jupyter Notebook, RStudio, Microsoft Excel, PowerPoint, SQL Server Reporting Services (SSRS), SQL Server Profiler

Professional Experience:

Software Engineer **Yardi Software (Pune, India)** **July 2017 - Dec 2019**
Part of Senior Housing Team working on Yardi's property management products

- Researched, designed, and developed reports to support sales metrics utilizing a suite of industry tools including SQL columnar, **SSRS**, YSR Reports.
- Designed and created database objects and entities such as complex queries, tables, views, cursors and functions as per client's requirements.
- Contributed prominently towards CRM Lifecycle of the product to test and reproduce program/database issues – understand, identify, reproduce client reported issues and propose a resolution.

Web Designer Intern **Datascience Technologies (Pune, India)** **Jan 2017- May 2017**

- Contributed to provide insights on health of sales metrics by performing data analysis and creating reports using **tableau** to track the performance of Sales-rep, and to forecast customer's business seaonalities.
- Contributed towards designing modular, responsive templates using CSS techniques, Bootstrap and JavaScript libraries.
- Generated test scenarios, developed test cases, collected test data and documented it.

Academic Projects:

Life Expectancy Prediction (Python): **Fall 2020**

- Utilized Life Expectancy data from WHO website to build a multiple linear regression model to predict what will be the life expectancy of an individual based on different indicators such as mortality rate, age, education and the status of the country.
- Pre-processed, handled the missing values by imputation, cleaned the data and performed exploratory data analysis.
- Implemented feature engineering and built a multiple linear regression model.
- Used Lasso and Ridge regression to avoid over-fitting and to build a better model.

Income Classification and Prediction (Python): **Spring 2020**

- Utilized 1994 Census data to build a decision tree classification model to predict whether an individual will make over 50K per year.
- Pre-processed, cleaned the data and performed exploratory data analysis.
- Implemented feature engineering and applied hyper-parameter tuning to retrieve optimal decision tree parameters using GridSearchCV and achieved 85% accuracy.

Term deposit classification and Prediction (Python): **Spring 2020**

- Utilized marketing campaign data of Portuguese bank to build a classification model to predict whether a customer will subscribe for term deposit.
- Pre-processed data and performed exploratory data analysis and implemented SMOTE over-sampling technique.
- Implemented decision tree, random forest and logistic regression and pruned the decision tree and random forest model parameter using hyperparameter-tuning.
- Compared the results of model using metrics accuracy and confusion matrix.

Bird Strike in United States Visualization (Tableau): **Spring 2020**

- Analyzed Bird Strikes in United states data between year 2000-2012.
- Designed tableau dashboard to analyze bird strikes with respect to states, airports, airlines, altitude of flight, phase of flight at which the incident occurred to make better business decisions and minimize bird strike incidents.