Priyank Darji

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SUMMARY

- Data Analyst/Business Analyst enthusiast with a detailed understanding of Data Analytics processes to develop innovative interpretationfor complex data to find a meaningful solution to business problems.
- 2 years of Python and visualization tools programming experience with comprehensive knowledge of data entry, data analysis, data visualization, and analytical tools.
- Reviewing assigned dashboards and checklists to ensure that all requirements are captured
- Microsoft Excel, SQL, Python, Data Cleaning Pipeline, Power BI, Tableau, Data Management, Predictive Modeling, and Machine Learning expert.
- To obtain the appropriate data for modelling, I transformed data tables from word documents, integrated multiple datasets, and cleansed the data.
- Converting and wrangling data into the desired format.
- Establishing a procedure for verifying the data's accuracy.
- Even I do programming from long time as you can see my education is mostly in computer field.

SKILLS

- **Programming Languages:** Python, Language R, Java, Spring boot, node.js, express.js, flask
- **Databases:** Microsoft SQL Server 2019, MySQL, DB2
- **Analytics Tools:** Microsoft Excel, MS-SQL Server, Python (Analytical libraries), Tableau, Power BI , Google Analytics
- **Analytics Related Skills:** Data management, data analysis and ETL process skills and concepts including data modelling and transformations, Skills in Microsoft Excel (macros, v-lookups, and pivot tables) and PowerPoint**.**

EDUCATION

DATA ANALYTICS FOR BUSINESS (3.8) Jan' 21 – Apr '22

St. Clair, Windsor, ON, Canada

Relevant Coursework: Data Analytics, Visualization (Power BI, Tableau), MS-SQL Server 2019, Machine Learning, Statistics.

BACHELOR OF TECHNOLOGY IN INFORMATION TECHNOLOGY (8.57/10) Aug'16 – Jun'19

GUJARAT TECHNOLOGICAL UNIVERSITY, India

Relevant coursework: Java, Spring boot, Data Analytics, Data Processing and Data Mining, Advance Business Intelligence, Data Science and Modelling.

DIPLOMA OF TECHNOLOGY IN INFORMATION TECHNOLOGY (8.54/10) Sep' 13 – Jun '16

GUJARAT TECHNOLOGICAL UNIVERSITY, India

Relevant coursework: Java, C and C++ with computer system basic.

ACADEMIC PROJECTS

SENTIMENT-BASED PREDICTION OF CRYPTO CURRENY

Jan'22- Apr'22

Technical stack: Python, Deep Learning, Matplotlib(library)

- Implemented Deep Learning algorithms like CNN, LSTM and check the co-relation between the price and the sentiment of tweets from twitter and achieved 84% accuracy on test dataset.
- Performed some analysis to check the correlation and found that the bitcoin and Ethereum price is highly correlated with tweets.
- Pre-processed the dirty dataset as it contains so many emojis and other useless words which removed from the dataset.
- Performed data cleaning and data pre-processing using python NLTK (library).

LUNGS DISEASE DETECTION USING X-RAY IMAGES Sep'21 – Dec'21

Technical stack: Python, keras(library)

- Created a Deep learning model that can help to detect the disease from the X-ray images in that I used five categories of X-ray images which includes diseases like COVID-19, Lung opacity, Normal, Tuberculosis and Viral Pneumonia.
- Data pre-processing on dataset done using the python keras(library) to just augment the images.
- Implemented various model like CNN, RCNN with transfer learning as well.
- Achieved 90% accuracy in test dataset by CNN.

TRAFFIC COUNT AND AIR QUALITY OF BRISTOL CITY

Feb'21-April'21

Technical stack: Visualization Report, Streamlit(library)

- Effectively visualized and made dashboards and stories for the dataset to show insights.
- Made dashboard using streamlit(library) Link: https://bristol-analysis.herokuapp.com/

HOSPITAL MANAGEMENT SYSTEM

Technical stack: **Java, Spring boot, my-sql, html, css, thymleaf**

- Create a Simple system using Spring boot which can help patient and works in hospital to track their status.

SELF-LEARNING PROJECTS

BANK CUSTOMER CHURN PREDICTION

Technical Stack: Python, Visualization (matplotlib, seaborn), Scikit learn (ML)

- Implemented various Machine Learning Classification algorithms like RandonForestClassifier, DecisionTreeClassifier, KNeighborsClassifier, and GuassianNB and achieved 86% accuracy in the testing dataset.
- Collected the data from Kaggle; perform data pre-processing and exploratory data analysis using pandas, NumPy, and matplotlib.
- Performed data cleaning and data pre-processing on the dirty dataset with the use of python(pandas).

HOUSE PRICES ADVANCED REGRESSION

Technical Stack: Python, Regression model (XGboost)

- Performed data cleaning and data pre-processing on the dirty dataset with the use of Python (Pandas), NumPy, and matplotlib.
- Implemented various ML models for best accuracy and end up with the best accuracy using the XGboost algorithm.
- We tried a few other regression models but didn't obtain the expected accuracy, so we used a standard scaler on the train test split data and got the XGboost model with the lowest mean absolute error (0.27).

TWITTER AND REDDIT SENTIMENTAL ANALYSIS

Technical Stack: Python, NLP on reviews

- First, remove stop words and do stemming and lemmatization on the text.
- Use Tfidvectorizer and bag-of-words to implement feature engineering.
- We used a variety of classification models to get the best accuracy, classification report, and confusion matrix, but we ended up with a 94.43 percent accuracy using Linear Support Vector Classification (LinearSVC).

STARBUCKS ANALYSIS AND PREDICTION

Technical Stack: Python, NLP on reviews

- In this project I combined 3 dataset of starbucks.
- In second step create some plots to gather insights and then after apply labelencoder machine learning model on data.
- After applying machine learning model on the data model got 82.60% of accuracy and as I used two different target variable so for other target variable model got 86.32% accuracy and also generated web app for this using the final selected model with the highest accuracy among other model which is RandomForestClassifier.