Devansh Sheth

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https://github.com/Devsh3th | https://devsh3th.github.io/ | www.linkedin.com/in/devanshsheth09

Education

University of California, Riverside — Riverside, California
Master's of Science in Computer Science — Graduating December 2020

LDRP Institute of Technology and Research — Gandhinagar, Gujarat
Bachelor's of Engineering in Computer Engineering — Graduated April 2019

Technical Skills

- Programming Language: **Python**, **R**, **SQL**, Java
- Data Science: Data Cleaning, Predictive Modeling, **Data Wrangling**, **Data Visualization, Probability and Statistics, Machine Learning, Statistical Modeling**
- Tools and Technology: **PyCharm**, **Eclipse**, **Spyder**, Weka, **Anaconda**, **Scikit - learn**, Matplot, **Pandas**, **Numpy**, Spark, **SparkSQL**, Hadoop, **MapReduce**, **TensorFlow**, OpenCV, Convoluted Neural Networks

Courses

- Big Data Management, Data Mining Techniques, Information Retrieval and Web Search (University of California, Riverside)
- Artificial Intelligence, Theory of Computation, Advanced Java, Database Management Systems, Data Structures and Algorithms (LDRP Institute of Technology and Research)
- Data Analysis with Python by IBM on Coursera
- Introduction to Data Analysis on Udacity

Work Experience

Softvan — Ahmedabad, Gujarat
Project Trainee — August 2018 – April 2019

- Developed a system to manage queues at the billing counter of retail stores.
- Used Computer Vision to monitor the queue and a notification was sent to the store manager whenever queue exceeded its predefined threshold.
- Analyzed various factors that lead to queue exceeding its limit and helped stores to manage the queues which would increase the sales by 50%.

Projects

House Sales in King County (link: https://github.com/Devsh3th/House_Sales_King_County)

- Analyzed the sales of more than 21000 houses in King County over a period of 1 year and cleaned the data. Exploratory Data Analysis was done and visualized to find outliers and correlation between features.
- Ridge Regression model was developed and trained and on data transformed by using second order polynomial. Also, regularization was used to avoid overfitting and it was used to predict price of a house based on given features.

NYC Weather and Subway (link: https://github.com/Devsh3th/NYC_Weather_Subway)

- Analyzed weather and subway data of New York City to understand the impact of weather on subway ridership. Visualized important factors impacting subway ridership and found days when subway ridership was less than 50% compared to regular days.

Asylum Seekers (Tableau Story link: https://public.tableau.com/profile/devansh.sheth#!/vizhome/AsylumSeekers_15794170821030/Story1)

- Visualized the data of more than 1.4 million asylum seekers over a period of 18 years with respect to their origin, where are they moving and the pattern over the years in a Tableau story which includes a dashboard with a filter for year to make visualization interactive.

Global Superstore Sales (Tableau link: https://public.tableau.com/profile/devansh.sheth#!/vizhome/Book2_15793354923550/GroupProfit)

- Analyzed the sales of a global superstore including more than 52000 records over a period of 4 years and visualized it by using Tableau to highlight most profitable product over the years, which category and subcategory brings in most sales, does giving discount help in increasing profit, which region has most sales for which product and so on. Interactive filter is given to see the trend over the years.

Credit Card Default Prediction (link: https://github.com/Devsh3th/Credit_Card_Default)

- Developed a prediction system by implementing machine learning algorithms (Naive bayes, KNN, Logistic Regression and SVM) from scratch to predict if the person is going to default on the next credit card bill.
- Responsible for implementing Naive Bayes algorithm and achieved more than 80% accuracy.
- Feature selection was done by plotting heat map of all the features and reduced from 25 features to 12 features.

Extra-Curricular Activities

- Volunteered to raise fund for Cancer Awareness Society by informing people about cancer.
- Runner's up in Athletics 100 meters Racing event held by school on secondary level.
- Volunteered for the decoration of the University for Techfest named XENESIS organized by my college in 2016 & also represented my college to other college for campaigning about same.