Aditya Shivshankar
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EDUCATION

The University of Texas at Dallas; *M.S., Information Technology & Management*   May 2020
University of Mumbai, India; *B.E., Electronics and Telecommunications*   May 2017

TECHNICAL SKILLS

Languages: Python, SQL, C++, Java, R, Hive, Scala
Analysis Tools: Tableau, Power BI, Grafana, Kibana, Hadoop, AWS Redshift, Kinesis, SSIS, SSAS, SSRS, Adobe Analytics.
Databases: Oracle, SQL Server, MySQL, MongoDB, Elastic DB, PostgreSQL, DynamoDB, AWS RDS.
Skills: Data Modelling, Data Warehousing, Big Data, Data Visualization, Machine Learning, Data Wrangling.

WORK EXPERIENCE

Data Analyst Intern, Apilation.ai, *Dallas, TX, USA*   August 2019- May 2020

- Performed data cleaning and data preparation on 80,000 records of telecom data to support high-quality data and catch noisy data and errors before processing.
- Analyzed data by using data mining techniques and developing ETL pipelines in JavaScript and MongoDB, transformed unstructured data into actionable insights, identified key metrics and increased data quality by 20%.
- Managed entire data science project life cycle and actively involved in all the phases including data cleaning, data engineering, features scaling, features engineering, statistical modeling, dimensionality reduction using Principal Component Analysis and Factor Analysis, testing and validation using ROC plot and K - fold cross-validation.
- Provided reporting, churn analysis, and insights profile metrics like mode of payment, user complaints and key revenue performance metrics to support corporate analytics.

Data Analyst, Godrej Consumer Products, *Mumbai, MH*   January 2018 - June 2018

- Analyzed retail sales data obtained from Amazon Athena, organized data using SQL queries, analyzed KPI and gathered insights on customer purchase trends and average sales by region.
- Synthesized business intelligence data to produce reports using Tableau and polished presentations, highlighting findings, and recommending changes.
- Reported bi-monthly data analysis findings to upper management to use in making organizational decisions.
- Designed and built statistical analysis models using Python on large data sets to predict sales of the department using models like Regression, KNN and Decision Trees, increased online sales by 12%.

ACADEMIC PROJECTS

Data Analysis for LastLine Inc
- Developed an interactive web page using PHP for real time display, built a system that monitors the anomalies in the sensors, alerted the user during malfunctioning using Python.
- Analyzed the data from Elastic DB, used Grafana and Kibana, interpreted and displayed log data and graphs.

Data Warehousing and Business Intelligence for Adventure Works
- Produced OLAP cubes, deployed it in star and snowflake schema. Performed and worked with dimensions, measures, MDX queries and created dashboards in PowerBI using various DAX measures.

Credit Card Fraud Prediction
- Created a machine learning model to predict whether a customer is a fraud, used techniques like Random Forests, Logistic Regression, SVC, obtained an F1 score in the range 0.85-0.90 on the test set.

Movie Recommendation System using Big Data
- Implemented a movie recommendation system on a dataset consisting of 10 million es using ratings from 72,000 users on 10000 movies using MLlib library and alternate least square (ALS) algorithm.

Cable data analysis using Tableau
- Developed interactive dashboards in Tableau using LOD, data blending, drill down techniques, calculated field, and parameter controls to get insights on the customers and their channel preferences.