SURYA R

Data Specialist

🔗 https://github.com/Surya-R-1999 📍 Bangalore, Karnataka

SUMMARY

Data Engineer who strives to pose and answer questions with quantitative-driven insights. Through the development of multiple personal projects and various analytical techniques, I have gained out of box thinking and analytical skills to handle multiple projects simultaneously with high professionalism, accuracy and prioritized assignments.

PROFESSIONAL EXPERIENCE

Data Specialist

Futurense Technologies   12/2022 - Ongoing   Bangalore, Karnataka

Tools Used: SQL, Python, Git, Hadoop, PySpark & AWS Cloud

- Implemented **SQL** reporting on airline reservation system to gain insights on building various reporting formats
- Worked on core services in AWS Cloud under security, compute, storage, database, etc
- Performed **Query Optimization** technique for quick retrieval of data, which reduced the querying time by **30%**

Data Analyst

Infosys   08/2021 - 11/2022   Bangalore, India

Tools: Sharepoint, SQL, Python

- Utilized analytical and technical expertise to provide insights and proposals to improve business improvement via **Tableau** and **pandas** and increased **20%** efficiency of data by **Data Cleaning, EDA and Data Manipulation.**
- Developed and supported Applications using **Sharepoint** and maintained integrity of program logic and coding by including unit tests.
- Updated framework for entire Sharepoint web application and participated in periodic technical reviews of various applications and developed suggestions to improve over them

PROJECTS

Tabular Playground Series

03/2022 - 06/2022   Location

Predicting sales for four items from two competing stores in six different countries in **2021** based on the past **4 years** historical data.

Tools: Python, NumPy, Pandas, Tableau, Machine Learning

- Worked on Python, MySQL along with Supervised ML Algorithms such as Logistic Regression, Random Forest Regression and Boosting Algorithms
- Loaded the data from **HDFS** and used **PySpark** for data cleaning, predictions and visualized the results using **Tableau**
- Achieved an overall accuracy of **93.7%** for **GradientBoostingRegressor** in training set and **93.4%** in the validation set

Healthcare Management System

11/2023 - 02/2023   Bangalore, Karnataka

Tools: Python, MySQL

- Implemented **15+ stored routines** approximately with functionality like retrieving pharmacy information for specific medications, the number of patients treated for each disease in the city, for a given year, etc
- Worked on SQL Joins, Aggregate Functions, Window Functions to get insights from data
- Built **3 triggers** to store date and time when new city or state is added, to maintain track of all the transactions when inventory is updated

EDUCATION

B.Tech - EEE

Amrita Vishwa Vidyapeetham (Deemed University), Coimbatore.

08/2017 - 07/2021   GPA 7.73 / 10

PROGRAMMING LANGUAGES

Python ●●●●○

SQL ●●●●○

TECHNOLOGY SKILL SETS

Hadoop

PySpark

AWS

Tableau

Machine Learning

Numpy

Pandas

CERTIFICATION

Machine Learning
Simplilearn, Jan 2022

Machine Learning A-Z™: Hands-On Python In Data Science
Udemy, 2021

Tableau
Simplilearn, April 2022

ACHIEVEMENTS

Published Research Paper

Hardware Prototype Model of Conventional Gas Stove Automation System – Application of **Random Forest Regression** Algorithm.

Certificate of Appreciation

Nominated as best insights presenter in **NoMouseClub** by TMB Analytics in college.

INTERESTS

Travel, Gaming, Movies