SARVESH RAGADE

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EDUCATION

Master of Science: Data Science	GPA: 3.64/4
Indiana University – Bloomington	*Aug 2021- May 2023*
Bachelor of Engineering: Electronics and Telecommunications	GPA: 8.04/10
University of Mumbai – Mumbai	*June 2015- June 2019*

SKILLS

Programming Languages- Python, R, Java, C#, SAS
Database Technologies- Postgres SQL, MS-SQL, Microsoft Azure, AWS Cloud, Databricks, Snowflake
Visualization Tools- Tableau, Power BI, QlikView, Google Analytics
Additional Skills- GitHub, Microsoft Office, Azure DevOps, Jira

WORK HISTORY

Data Engineer at Indiana University School of Medicine and IU Health   *August 2023 – Present*
- Performing data management tasks, including experienced data modeling, conversion, de-duplication, migration, and identification and repair of data quality issues.
- Conducted comprehensive data analysis of healthcare data related to cancer, diabetes, psychological disorders, and various other medical conditions using SAS and Python.
- Successfully integrated AWS cloud-based tools and services into our data management workflow, ensuring seamless data synchronization and reducing operational overhead.
- Utilized Tableau to create insightful visualizations and generate comprehensive reports, facilitating informed decision-making for clinical trials and related processes.

Data Engineer (Associate Instructor) at Luddy School of Informatics, IUB   *August 2022 – May 2023*
- Building Databases, assisting students in learning the course CSCI 561-Advanced Database Concepts. Designing assignments, conducting office hours to resolve queries and grading assignments.

Data Analyst (Research Assistant) at Kelly School of Business, IUB   *May 2022 – September 2022*
- Conducted thorough exploratory data analysis on datasets from wholesale, retail, and manufacturing companies to discern trends and patterns pertaining to inventory management.
- Utilized Python and SQL to thoroughly clean, preprocess, and transform data, ensuring its readiness for analysis. Constructed a robust database for efficient storage and retrieval.
- Developed machine learning models to predict the stock performance of companies based on their inventory sizes, achieving an accuracy rate of 92%.
- Visualized the data using Power BI creating intuitive dashboards to communicate insights effectively.

Data Engineer at Accenture   *September 2019 –December 2020*
- Developed and maintained SQL databases by implementing a pipeline ETL process, which involved integrating data from diverse sources such as data files, cloud storage, OLTP, and web services data (RESTful)
- Optimized database performance by converting stored procedures into dynamic queries, resulting in a 15% enhancement of application efficiency. Additionally, implemented various optimization techniques to further improve database performance.
- Developed an API using Asp.NET framework and C# to enable seamless interaction with downstream APIs, ensuring smooth data flow across systems.
- Developed Tableau dashboards to visualize insights derived from data, facilitating informed decision-making, and driving impact.

PROJECTS

Credit Risk Analysis: EDA (Exploratory Data Analysis), Statistics and Visualization
Visualize, find errors and fixed potential issues in the dataset. Cleaning the data and finding the correlation between different features. Model Building, Model diagnostics, Residential diagnostics, Roc curves and visualizing the results using python, Postgres SQL, pandas, matplotlib, seaborn and Power BI.

Build and maintained a web application that provides hiring convenience to the Managers using visual studio .NET framework.
Skills used- C#, Html, CSS, MS-SQL, Angular, JavaScript.

Stock market prediction using Neural Networks
Collected, Preprocessed Financial Stock Data from different Sources to create data in appropriate format. Developed and implemented LSTM models with an average accuracy of 90 percent. Optimized the models using hyperparameter tuning and feature selection techniques. Communicated the results and insights to the team and stakeholders using Tableau.
Skills used- python, pandas, seaborn, NumPy, Scikit-learn, TensorFlow.

Inventory Control Management
Build an Extract, transform and Load (ETL) Pipeline using informatica PowerCenter and Postgres SQL to collect information and create database. Optimized the database to improve performance by using various optimizing techniques. Designed various stored procedures to get the required information like quantity of items, days, etc. Created a dashboard to Visualize the inventory parameters using power BI.