Miral Kansagara

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To strive for excellence in the field of Data Analysis and apply the knowledge and skills of **Data cleaning**, **Data wrangling**, **Statistical Knowledge**, **Data visualization** and **Supervised Machine learning algorithm** gained from the Data analytics boot camp at **the University of Toronto**. Knowledgeable in QA methodology with a proven history of **reducing errors** to **increase quality of web and mobile application**. Proficient in preparing test cases, and plans. Dedicated to analyzing and resolving defects.

TECHNICAL SKILLS:

- **Programming Languages:** Python, Java, HTML, CSS(Basic), Java Script (Basic), R(Basic)
- **Databases:** PostgreSQL, SQL server, MySQL Workbench, MongoDB
- **Data Visualization:** Matplotlib, Power BI, Tableau, Excel
- **Data Cleaning:** Pandas, NumPy, Microsoft Excel
- **Data Mining:** Linear regression, Logistic Regression
- **Big Data platform:** Amazon web service (AWS), RDS, S3

PROJECTS:

New York Citibike Visualization

- Extracting a data from August 2019's citibike dataset , clean **more than 20 million** data using python and pandas.
- After that, cleaned data store into CSV file which is used for visualization.
- Import data into Tableau. Create and style worksheets, dashboards, and stories in Tableau.
- Use Tableau worksheets to display data in a professional way.

Tools/Languages used:
- Language: Python with Pandas library
- Tools: Juypter Notebook, Tableau

Project Link: https://github.com/miralchangela/NYC_citibike_visualization

World Weather Analysis

- Generate a set of 2,000 random latitudes and longitudes, retrieve the nearest city using CityPy library, and perform an API call with OpenWeatherMap's API.
- Retrieve the specific information from the API call such as latitude, longitude, Maximum temperature, humidity, wind speed and weather description.
- Filter the data as per the user requirements for minimum and maximum temperature.
- The destinations are identified with a marker layer map with pop-up markers.
- Using Google Directions API, a travel route was created to display positional coordinate between four cities chosen by the customer.

Tools/Languages used:
- Language: Python with Pandas, NumPy, CityPy and Matplotlib libraries, APIs
- Tools: Juypter Notebook

Project Link: https://github.com/miralchangela/World-Weather-Analysis

Pewlett Hackard Analysis

- To determine the number of employees retired within few years.
- To identify how many employees are eligible for mentorship program.
- In this Project, analysis also gives information about how many employees retired by departments within a year.
- This Analysis helps manager to deal with upcoming situation in company.

Tools/Languages used:
- Language: SQL

- Tools: PgAdmin 4

Project Link: https://github.com/miralchangela/Pewlett-Hackard-Analysis

WORK EXPERIENCE:

Murani infotech Pvt. Ltd   **Rajkot, India**
QA Analyst   **Nov 2019 - May 2022**
- Used PostgreSQL to create and modify database tables using **CRUD** SQL command.
- Designed a Database schema containing over **20 tables** such as teacher, student, class and admin for **School management system (SMS)**.
- Responsible for writing queries to find correct data for testing.
- Experience with database design and cleaning the database.
- Provided technical expertise in data storage structures, data cleansing and data visualization.
- Maintained **91%** quality level for over a year by demonstrating expertise in SQL data analyst.

Seven Hexa   **Ahmedabad, India**
QA in Android App Development   **Apr 2018 - Oct 2019**
- Interacted with the clients, Product Owners, and Developers for precise exposure to understand the technical/functional user requirements.
- Strong knowledge **of software development life cycle (SDLC)** and **software testing life cycle (STLC).**
- Created test cases based on **functional requirements** using Microsoft Test Manager.
- Involved in developing **Test Plans**, **Test Cases** using **requirement** and **design** documentation.
- Performed **API** Testing using **Postman**.
- Debugged and **fixed bugs** in Microsoft Team Foundation Server and closely worked with developers to resolve the issues.
- Improved the mobile application **launch time** up to 5 **to 10 seconds**.

Narayan Education Pvt. Ltd   **Rajkot, India**
Mathematics Lecturer   **June 2016 - March 2018**
- We have provided meaningful math's instruction to improve the math's skills of children.
- I taught **60 students** how to set up and solve math's problems such as **statistics**, **Probability**, **Matrix** and **Linear equation**.
- Prepared high-quality lessons to teach students step-by-step problem-solving methods for **algebra**, **geometry** and **Trigonometry**.

EDUCATION:

Data Analytics Boot Camp Certificate   Aug 2022 – February 2023
The University of Toronto

Master's in engineering   Sep 2013 - July 2015
Gujarat Technological University

Bachelor's in engineering   June 2009 - July 2013
Gujarat Technological University

CERTIFICATES:

Data Analysis and Visualization, Udemy.com   Oct 2022
Introduction to Python, Data camp   May 2022

Python, Kaggle   Apr 2022
Android Development, Vedansh Infoway Pvt. Ltd   Apr 2016