INTERNSHIP REPORT

Company Name : VDart

Name: Lokesh S

Role : Data Analyst Intern

Mentor : Anubharathi P

Internship Period : 11 days

Date of submission: 05 sept 2024

INTERNSHIP OVERVIEW:

This report provides an overview of my internship experience at v dart company in Trichy. The internship took place from [23/8/2024] to [5/9/2024]. The purpose of this report is to reflect on the tasks and projects I was involved in the skills I developed ,and the overall learning experience.

Project Completed:

1.Household energy bill

- **Objective:** To analyze the household energy bill of various households.
- **Approach:**
  - ❖ First analyzed the what we collected.
  - ❖ Next cleaned and processed the data for the required output.
  - ❖ Created Power Bi dashboard with the final data after pre process.

- **Output:** Power Bi dashboard was done for the proposed problem and the visualization was done with valuable insights.

DOMAINS COVERED:

1. **Data Analytics:**
   o **Data Cleaning and Preparation:** I learned the importance of clean data in the analytics process. I applied various techniques to clean and preprocess raw data, making it suitable for analysis.
   o **Data Analysis:** I used statistical methods and data analysis techniques to derive insights from datasets. This included summarizing data, finding patterns, and identifying trends that could be used to inform decision-making.

2. **Basics of SQL:**
   o **SQL Fundamentals:** I covered the basics of SQL, including data manipulation, querying, and managing databases. This included writing queries to select, insert, update, and delete data in relational databases.

3. **Python :**
   o **Python Platforms:** I explored the basics of leading Python platforms, including Pandas, Matplotlib, Seaborn, Numpy. I learned about their core services.
   o **Python Script:** I gained an understanding of essential Script for data cleaning using a Jupyter notebook.

4. **Power BI:**
   o **Data Visualization with Power BI:** I developed skills in creating interactive and visually appealing dashboards using Power BI. This involved importing data from various sources, transforming it using Power Query, and creating visualizations to convey insights effectively.
   o **Dashboard Creation:** I completed a project focused on building a comprehensive dashboard that provided actionable insights. This included using various visualization types like charts, graphs, and maps, and configuring interactive features like slicers and drill-throughs.

SKILLS GAINED:

- ❖ Data visualization with PowerBI.
- ❖ Script writing with Python.
- ❖ Data analysis Using excel.
- ❖ Basics in SQL

CONCLUSION:

The internship at VDart was an enriching experience that allowed me to develop a strong foundation in data analytics, data visualization with PowerBI , script writing using python, data cleaning using Python, Data analysis using Excel . The project I completed not only enhanced my technical skills but also provided me with valuable experience in real-world problem-solving. This experience has prepared me well for future challenges in the technology industry.