HUNAR INTERN

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INTERNSHIP PROGRAM

POWER BI

POWER BI

INTERNSHIP

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DURING YOUR INTERNSHIP TENURE,

IT IS IMPORTANT TO KEEP IN MIND THE FOLLOWING POINTS

1

Enhance Your Professional Presence

- Update your LinkedIn profile.
- Share achievements such as your offer letter or internship completion certificate.
- Mention and tag Hunar Intern Company in your posts.
- Use hashtags like #HunarIntern, #HunarTech, #HunarCompany to showcase your affiliation.

2

Maintain Academic Integrity

- Respect intellectual property.
- Avoid plagiarism and copying code.
- Understand that violations can lead to the termination of your internship and subsequent restriction from future opportunities with us.

3

Demonstrate Your Work

- Share a video showcasing the completion of your tasks on LinkedIn.
- Tag Hunar Intern Company in your post.
- Use relevant hashtags like #HunarIntern,#HunarTech,#Hunar Company to engage with our community.

4

Engage with the Community

- Participate in company events and activities.
- Connect with fellow interns and colleagues.
- Join and contribute to discussions on company forums and social media Groups

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SUBMISSION

- Create a new GitHub repository with the name Hunar Intern and upload your task on it.
- Create a professional video showcasing your internship projects and Achievements
- Host the video on LinkedIn to provide proof of your work and establish credibility among your peers. Consider tagging hunar intern in your posts to ensure they are notified of your work.
- A SUBMISSION FORM will be shared later. Till then please continue your task and make a separate file of each level.
- When posting the video on LinkedIn, include the following hashtags to maximize visibility and engagement: #hunarintern #hunarTech. Additionally, depending on your Internship Domain

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Product Sales Data Analysis

TASK: 2

LEVEL: Medium

DESCRIPTION

Develop a product sales data analysis dashboard using Power BI. The dashboard will visualize key metrics such as total sales, average sales per day, best-selling products, and sales trends over time. This project involves data import, transformation, visualization creation, and insight generation using Power BI.

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REQUIREMENTS

Proficiency in Power BI.

Basic understanding of data analysis concepts.

Bi

Familiarity with data import and transformation techniques.

Access to a dataset containing product sales information.

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STEPS TO FOLLOW

1. Set Up the Development Environment:

- Install Power BI Desktop.
- Obtain the dataset containing product sales information (CSV, Excel, or database).
- Dataset:https://docs.google.com/spreadsheets/d/1v5iVBPN4eAQBb0-VAZBrUxyats_LG_On/edit?usp=sharing&ouid=105728946896835380995&rtpof=true&sd=true

2.Import Data:

- Load the sales dataset into Power BI.
- Ensure the dataset includes columns such as Date,Product, Quantity Sold, and Revenue.

3.Data Transformation:

- Use Power Query to clean and transform the data.
- Handle missing values, data types, and any necessary calculations (e.g., total revenue per product).

4. Create Essential Visualizations:

- Total Sales Visualization: Create a card or KPI visual to display the total sales.
- Average Sales Per Day Visualization: Use a line chart to show average sales per day over time.
- Best-Selling Products Visualization: Create a bar chart to display the top-selling products based on quantity sold.
- Sales Trends Visualization: Use a line or area chart to show sales trends over a specific period.

5. Implement Filters and Slicers:

- Add slicers for filtering data by date range, product categories, or regions.
- Ensure users can interact with the dashboard to view specific insights.

6.Design the Dashboard Layout:

- Arrange the visualizations in a user-friendly layout.
- Add titles, labels, and tooltips for clarity.

7.Testing and Validation:

- Validate the accuracy of the visualizations and calculations.
- Ensure the dashboard is responsive and performs well with the dataset.

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What You'll Learn:

- Importing and transforming data in Power BI.
- Creating and customizing visualizations to represent key metrics.
- Designing interactive and user-friendly dashboards.
- Generating insights and making data-driven decisions.

ADDITIONAL SUGGESTIONS(OPTIONAL):

- Use DAX (Data Analysis Expressions) for advanced calculations and measures.
- Implement drill-throughs and detailed views for in-depth analysis.
- Integrate additional data sources for a more comprehensive analysis.

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CONCLUSION

This project provides hands-on experience in data analysis and visualization using Power BI. It enhances skills in data import, transformation, and dashboard creation, offering practical applications in business intelligence and data-driven decision-making.