

INTERSHIP PROGRAM POWER BI

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POWER BI
INTERSHIP



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, #HunarCompany 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

- 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

SUBMISSION



COVID-19 Insight Analysis



TASK: 3



LEVEL: Challenging



DESCRIPTION

Develop a COVID-19 insight analysis dashboard using Power BI. The dashboard will visualize key metrics such as total cases, deaths, recoveries, and trends over time. This project involves data import, transformation, visualization creation, and insight generation using Power BI.



REQUIREMENTS

Proficiency in Power BI or a similar data visualization

Basic understanding of data analysis concepts.

Bi

Familiarity with data import and transformation techniques.

DATASET: <https://www.kaggle.com/datasets/imdevskp/coronavirus-report>



STEPS TO FOLLOW

1. Set Up the Development Environment:

- Install Power BI Desktop.
- Obtain the dataset containing COVID-19 information (CSV, Excel, or API).

2.Import Data:

- Load the COVID-19 dataset into Power BI.
- Ensure the dataset includes columns such as Date,Country, Confirmed Cases, Deaths, and Recovered.

3.Data Transformation:

- Use Power Query to clean and transform the data.
- Handle missing values, data types, and any necessary calculations (e.g., active cases).

4. Create Essential Visualizations:

- **Total Cases Visualization:** Create a card or KPI visual to display the total confirmed cases.
- **Total Deaths Visualization:** Create a card or KPI visual to display the total deaths.
- **Total Recoveries Visualization:** Create a card or KPI visual to display the total recoveries.
- **Cases Over Time Visualization:** Use a line chart to show confirmed cases over time.
- **Deaths Over Time Visualization:** Use a line chart to show deaths over time.
- **Recoveries Over Time Visualization:** Use a line chart to show recoveries over time.
- **Geographical Distribution Visualization:** Use a map visual to display the distribution of cases by country.

5. Implement Filters and Slicers:

- Add slicers for filtering data by date range, country, or region.
- 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.





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.



Integrate additional data sources for a more comprehensive analysis.





Forge your ambition



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 health data analysis and public health decision-making.

