Data Science

DIGITAL EMPOWERMENT PAKISTAN
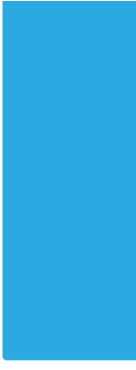FOUNDATION

DEP

About Us

At Digital Empowerment, we envision a future where youth are equipped with the skills, knowledge, and mindset needed to thrive in a rapidly evolving world. Our mission is to bridge the digital divide, foster leadership development, and enhance academic growth, empowering young minds to realize their full potential.
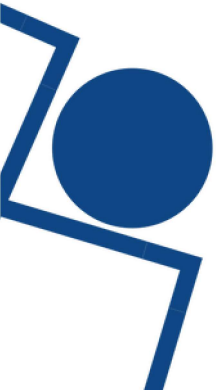
To achieve this, we offer comprehensive virtual internships across various domains, providing students with invaluable hands-on experience and practical skills essential for success. Furthermore, we are committed to assisting youth in securing prestigious careers, helping to launch and build a brighter future for themselves and future generations.

Instructions

1. Enhance your online presence by updating your LinkedIn profile.

2. For successful completion of the internship, complete one level (Level 1, 2, or 3) of the Data Science internship at your own pace.

3. Keep your tasks organized in a separate GitHub repository named "DEP" and share the link in the task submission form.

4. Utilize online resources like Google Search, tutorials, and videos to assist you in completing the tasks.

Project

coffee Shop Sales Analysis :

Objective:

- Analyze dataset to evaluate product/service profitability.
- Propose strategies to boost profit margins and reduce losses.

Tasks:

1. Data Cleaning:

- Review and clean the dataset for inconsistencies, missing values, and duplicates.

2. Profit/Loss Analysis:

- Perform a sales comparison and visualize product profitability.
- Identify profitable and loss-incurring products/services.

3. Profit Increase Prediction:

- Use predictive modeling to forecast profits.
- Identify key profitability drivers and suggest strategies for profit maximization.

4. Loss Mitigation:

- Analyze loss drivers for each product/service.
- Develop actionable strategies to convert losses into profits.