



**DIGITAL  
EMPOWERMENT  
PAKISTAN**  
— FOUNDATION

# Data Science

[www.digitalempowermentpakistan.com](http://www.digitalempowermentpakistan.com)



# 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.

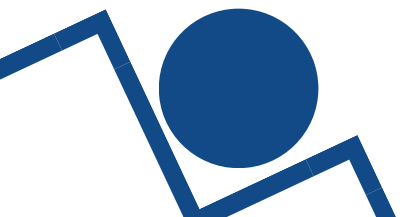
To achieve this, we offer comprehensive virtual internships across various domains, providing students with invaluable hands-on experience and practical skills essential for success. Furthermore, we are committed to assisting exceptional students in securing positions at prestigious companies, helping to launch their careers and build a brighter future for themselves and future generations.



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# 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 Web Development 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.





## Task 3

### Sentiment Analysis of Social Media Posts:

- **Objective:** Determine the sentiment (positive, negative, neutral) of social media posts about a specific product or brand.
- **Description:** Collect and analyze social media data (e.g., tweets, Facebook posts) to gauge public opinion and sentiment about a product or brand.
- **Key Steps:**
  - o Data collection using APIs
  - o Text preprocessing (e.g., tokenization, removing stop words)
  - o Sentiment analysis using NLP techniques (e.g., VADER, BERT)
  - o Visualization of sentiment trends