



**DIGITAL
EMPOWERMENT
PAKISTAN**
— FOUNDATION

Machine Learning

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.

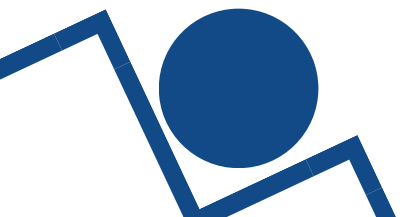
To achieve this, we offer comprehensive virtual internships across various domains, providing students with invaluable hands-on experience and practical skills essential for success. Furthermore, we are committed to assisting exceptional students in securing positions at prestigious companies, helping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

Predicting Customer Churn:

- **Objective:** Develop a model to predict whether a customer will churn (leave the service) based on their usage patterns and demographics.
- **Description:** Use a dataset containing customer information and usage data to train a model that can predict the likelihood of customer churn.
- **Key Steps:**
 - o Data cleaning and preprocessing
 - o Exploratory data analysis (EDA) to identify key features
 - o Feature engineering
 - o Model selection and training (e.g., logistic regression, random forests)
 - o Model evaluation and fine-tuning
 - o Implementing the model in a real-world system