INTERNSHIP REPORT

Name: Ayesha Liaqat

Intern ID: DHC-1059

Department: AI / Machine Learning

This document provides an overview of the tasks and learning outcomes from the AI/ML internship program at Developers Hub Corporation.

DEVELOPERS HUB CORPORATION - AI/ML INTERNSHIP REPORT

Project Title: Iris Flower Data Analysis

The project focused on analyzing the famous Iris flower dataset using Python and popular data science libraries such as Pandas, Matplotlib, and NumPy.

Tasks Performed:

- Loaded and cleaned the dataset

- Dropped unnecessary columns like 'Id'

- Renamed columns for easier access

- Visualized data through histograms, scatter plots, and boxplots

- Differentiated among three flower species: Iris-setosa, Iris-versicolor, and Iris-virginica

- Performed correlation analysis between numerical features

New Concepts Learned:

- Data visualization with overlapping and separated histograms

- Boxplot customization and interpretation

- Mapping categorical values to colors

- Using correlation matrices to analyze feature relationships

Conclusion:

The project improved skills in data handling, exploratory data analysis, and interpretation of feature patterns.

It also laid a foundation for future machine learning applications.