**Fish Weight Prediction ML Model & Web Application:**

1. **Introduction:**

The development of an ML model to forecast fish weight and its Flask deployment are covered in this study.

1. **The dataset:**  
   Features of the Fish Market Dataset include species, weight, width, height, and length.
2. **Establishment of the Project:**  
   Install the necessary libraries and Python.  
   Structure of folders:  
   train\_model.py (ML model)  
   (Flask app) app.py  
   The saved model is fish\_weight\_model.pkl.  
   HTML templates and CSS static

The screenshot of app.py, styles.css and index.html is given below:

A screenshot of a computer program

AI-generated content may be incorrect.

A screenshot of a computer program

AI-generated content may be incorrect.

A screenshot of a computer program

AI-generated content may be incorrect.

1. **The ML Model**:  
   Preparing data (encoding, scaling)  
   Create a model for linear regression.  
   Preprocessing objects and the model are saved.
2. **The Flask Web App:**  
   load model, input processing, and return forecasts  
   User-input HTML form  
   For style, use CSS
3. **Launching the Application**  
   Launch the Flask server.  
   Use a browser to access
4. **Conclusions**:  
   A straightforward, interactive online application that uses Flask and machine learning to forecast fish weight, with room for improvement.