Project Flow

Project Flow:

- ➢ The user interacts with the UI (User Interface) to upload the image as input.
- ➢ The uploaded image is analyzed by the model which is integrated.
- ➢ Once the model analyses the uploaded image, the prediction is showcased on the UI.

To accomplish this, we have to complete all the activities and tasks listed below

- ➢ Understanding the data.

    - o Importing the required libraries.
    - o Loading the data.
    - o Analyzing the data.
    - o Reshaping the data.
    - o Applying One Hot Encoding.

- ➢ Model Building
- o Creating the model and adding the input, hidden and output layers to it.
- o Compiling the model.
- o Training the model.
- o Predicting the result.
- o Testing the model by taking image inputs.
- o Saving the model.

- ➢ Application Building
- o Create an HTML file.
- o Build Python Code.

- ➢ Code Execution

- o Give the input in the web page in order to predict the digit.
- o The predicted result is appeared in the UI.