Project Flow

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Project Name: A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM

Project Flow:

- The user can upload the image as input
- By using Artificial Neural Network based Handwritten Text Recognition (HTR) model
- 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.

1. Importing the required libraries used in python
2. Loading the required data
3. Analyzing the uploaded data
4. Reshaping the uploaded data.
5. Applying One Hot Encoding

Model Building

1. Creating the model and adding the input, hidden and output layers to it
2. Compiling the model
3. Training the model
4. Predicting the result
5. Testing the model by taking image inputs
6. Saving the model

Application Building

1. Create an HTML file for front end
2. Build Python Code