BIG DATA LAB

ASSIGNMENT-6

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ME20B117

FastAPI for MNIST Digit Prediction

a) 28x28 digit recognition

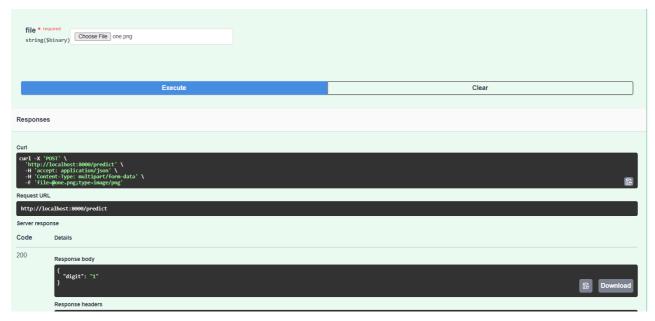
Digits and Responses:

1.







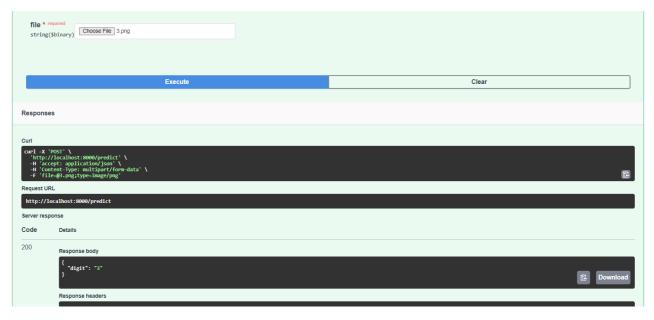


b) Resize and Predict

Correct Predictions:

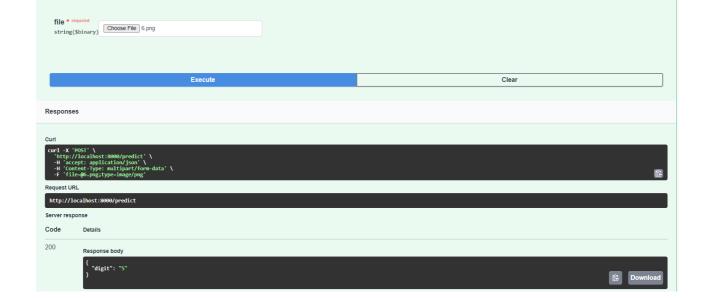






Incorrectly predictions:









OBSERVATIONS:

- Model is predicting correctly only if the background is black and digit is written in white.
- Model fails to predict digits correctly when the background colors are changed.
- It is possibly due to different Grayscale values we get for different colors.