

Problem-Solution fit canvas 2.0

Purpose / Vision

Define CS, fit into CC

1. CUSTOMER SEGMENT(S)

Recognise the handwritten digit detection.

CS

6. CUSTOMER

Its helpful for customers such as postal mail sorting, bank check processing form data entry to ensure effective and reliable approaches for recognition of handwritten digits and reliable approaches for recognition of handwritten digits and banking operation free

CC

5. AVAILABLE SOLUTIONS

Lot of available solutions are there to recognize handwritten digits including deep learning/cnn, SVM, Gaussian Naive Bayes, KNN, decision tree, Random process.

AS

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS

To recognize the handwritten digits are more accuracy in CNN model

J&P

9. PROBLEM ROOT CAUSE

Handwriting recognition helps to transform the writings in the paper to a text document format which can also said as readable electronic format. historical facts can be stored reviewed and shared easily too many people. to ensure effective and reliable approaches for recognition of handwritten digits and banking operation free

RC

7. BEHAVIOUR

Deep learning methods can now turn natural language into synthesized images. here, written descriptions for images are used to build a new hallucinated image.

BE

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS

The perils of poor handwriting, perhaps the most obvious problem when processing handwritten forms during data capture process is poor quality

TR

10. YOUR SOLUTION

Solutions for handwritten detection to using CNN and another models to train Our input dataset it gives a above 90% accuracy output for us.

SL

8. CHANNELS of BEHAVIOUR

8.1 ONLINE
Handwriting recognition (or HWR) is the ability of a computer to receive and interpret intelligible handwritten input from sources such as paper documents, photographs, touch-screens and other devices.

CH

Extract online & offline CH of BE

4. EMOTIONS: BEFORE / AFTER

Before: Handwritten text classifiers were first required for classification of postal mail using Scanning equipment handwired logic recognized monospaced fonts.
After: neural network are able to learn features from analyzing a dataset and classify an unseen image based on weights. features are extracted in convolutional layer where kernels passed over the image to extract certain feature. in end result multiple kernel learn all features within a dataset in order to make classification.

EM



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