Problem-Solution Fit canvas

Purpose / Vision

Version:

Define CS, fit into CL

1. CUSTOMER SEGMENT(S) CS

One who wants to extract digit from handwritten text image

6. CUSTOMER LIMITATIONS EG. BUDGET, DEVICES CL

OCR Technology provides higher than 99% accuracy with typed characters in high-quality images. Unclear image will not give accurate results .

5. AVAILABLE SOLUTIONS PROS & CONS AS

The ability of a computer to receive and interpret intelligible handwritten input from sources such as paper documents, photographs, touch-screens and other devices.

Explore AS, differentiate

Focus on PR, tap into BE, understand RC

2. PROBLEMS / PAINS + ITS FREQUENCY PR

People can struggle to read other's handwriting. Each and every person handwriting has it uniqueness. So the general problem would be while classifying the digits .

9. PROBLEM ROOT / CAUSE RC

Problem root cause
The issue is that there's a wide range of handwriting – good and bad. This makes it tricky for programmers to provide enough examples of how every character might look.
sometimes, characters look very similar,making it hard for a computer to recognise accurately.

7. BEHAVIOR + ITS INTENSITY BE

Client MUST try with clear image and neat handwriting to get a accuracy in digits.

Focus on PR, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS TO ACT TR

When there's a need for recognition of handwritten digit.

4. EMOTIONS BEFORE / AFTER EM

Grievance, wearied > Client Satisfied

10. YOUR SOLUTION SL

The handwritten digit recognition is the capability of computer applications to recognize the human handwritten digits. It is a hard task for the machine because handwritten digits are not perfect and can be made with many different shapes and sizes. The handwritten digit recognition system is a way to tackle this problem which uses the image of a digit and recognizes the digit present in the image. Convolutional Neural Network model created using PyTorch library over the MNIST dataset to recognize handwritten digits .

8. CHANNELS of BEHAVIOR CH

ONLINE

Extract online channels from behaviour block.

OFFLINE

Extract offline channels from different handwritten styles.

Extract online & offline CH of BE