People who want to diagnose if they are suffering

People who are suffering from medical symptoms

similar to the symptoms of kidney disease

Focus on J&P, tap into BE, understand

Extract online &

offline CH of BE

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Define

1. CUSTOMER SEGMENT(S)

Medical personnel

diagnosis systems

from Chronic Kidney Disease

CS

6. CUSTOMER CONSTRAINTS

medical records

CC

RC

SL

5. AVAILABLE SOLUTIONS

AS

BE

CH

Available medical solutions are a bloot test and urine test to determine glomerular filtration and albumin. Available Solution are not user friendly and do not offer high accuracy. So, they are not frequently used in place of traditional medical diagnosis systems.

aditional medical diagr

2. JOBS-TO-BE-DONE / PROBLEMS

Chronic Kidney Disease must be identified at a very early stage to allow patient to recover quickly from it. The ML Model developed must make predictions to rival the speed and accuracy of traditional medical

J&P 9

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9. PROBLEM ROOT CAUSE

Chronic kidney disease leads to gradual deterioration of kidney functioning. It shos very few symptoms in the early stages and can be quite difficult to detect ealry. Lifestyle habits can also cause CKD. Since detecting it late can lead to severe threats in the patient's life, early detection of CKD is necessary which can be done through this application.

People living in areas with poor internet connectivity

Requirement to maintain high confidentiality of

can find it difficult to access this solution

7. BEHAVIOUR

The person must give all the necessary parameters to the applications. THe ML algorithm will predict if they suffer from CKD. Since the application is user friendly, it is easy for the user to preform the above task. If diagnosed with CKD, the patient can start receiving treatments for curing CKD.

3. TRIGGERS

Higher accuracy of prediction. User friendly interface.

4. EMOTIONS: BEFORE / AFTER

Before - If diagnosed with CKD, person will feel depressed and hopeless

After - Since diagnosis can be done in ealry stage, early treatment can cure it and person can feel normal and happy

10. YOUR SOLUTION

An Machine Learning Model which utilises several factors from

a patient's health record to predict if they are suffering from $% \left(1\right) =\left(1\right) \left(1\right) \left($

Chronic Kidney Disease or not.

8. CHANNELS of BEHAVIOUR

The ML Application can be used online via the internet. So, the preson can run the test online.

The patient must go to the hospital and take tests such as blood test, urint test etc. and consult a doctor to identify if they suffer form CKD or not.



