Project Flow
Early Detection of Chronic Kidney Disease Using Machine learning
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1. Installing Required Libraries.

2.Data Collection.

• Collect the dataset

3.Clean the Dataset

• Importing the Libraries.

• Importing the dataset.

• Understanding Data Type and Summary of features

• Handling the Missing values

• Replacing The Missing values

• Label Encoding
• Splitting the Dataset into Dependent and Independent variables

• Splitting Data into Train and Test set

• Model building

• Test the Model

• Model evaluation

- Save the model

4.application Building

- Building Html Pages

- Build Python Code

- Run the Application

5.Train The Model on IBM

- Registering For IBM

- Training The ML Model On IBM

- Integrate Flask With Scoring End Point

PROJECT FLOW:

```
                    ┌─────────────────────┐
                    │     Preprocessed    │
                    │ Chronic Kidney Disease │
                    │       Dataset       │
                    └─────────────────────┘
                              │
                              ▼
              ┌──────────────────┐        ┌──────────────┐
              │  Ten-fold cross  │───────▶│ Testing Data │
              │    validation    │        └──────────────┘
              └──────────────────┘               │
                       │                          │
                       ▼                          │
              ┌──────────────────┐                │
         ┌───▶│   Training Data  │                │
         │    └──────────────────┘                │
         │             │                          │
         │             ▼                          │
         │    ┌──────────────────┐                │
         │    │ Rule based learners │             │
         │    └──────────────────┘                │
         │             │                          │
         │             ▼                          │
         │    ┌──────────────────┐                │
         │    │     Evaluate     │◀───────────────┘
         │    │    Classifiers   │
         │    └──────────────────┘
         │             │
         │             ▼
         │          ◇ 10 ◇
         └─────────◇ times ◇
                    ◇      ◇
                       │
                       ▼
              ┌──────────────────┐
              │ Average the results │
              └──────────────────┘
                       │
                       ▼
                   (  End  )
```