

(57) A DA project to arres and impriore nutritional intake for teenagers.

P.2 3. 3MS Spars Detection with Machine Keauning (25) A machine keavening model for detecting & filtering spans mensages.

(13.) Psudictive health Analytics for Early Detection

(13.)

A Tensor from powered system to analyze health data for the carry detection of diseases.

finding Base Research Paper and Dataset

- 1. Performance Analysis of ML Algorithms in CKD peudiction.
  - \_ yot dataset from M.L UCL supo
  - Implemented 8 M·L models for CKD to evaluate their performance.

Redicting heart disease 09 03 2025 V

- z Method is different.
  - = how that attribute is used.
  - 2 simplify training method.
  - = different training method.
  - cost officiency.
    - = data set

dolest se view papers

24/03/2025 Monday call

\* Create Standard leaflet in lit hub.

Mention we are using existing dataset, we are not creating a new one in ellical form and submit.

\* Update MoM

- dude on which model

. work on 20 papurs + Summarize.

\* \* \* \* update 20 papers + summarize

y 5 Papers

\* 5 Papus

\* 5 Papers

# 5 Papers.

Topics to Learn (Models) Algoui Mm)

\* KNN algorithm

\* Logistic suguersion

\* Naive Bayes

\* Deep Newral Network

\* Deep kearing techniques un Weekly topics

#### 25 03 2025 Models we can use

1. KNN: gives accurate and precise precisions.

- the distance measures determine how accurate the predictions are

Points to sumember while weiting diterature survers

\* Write what techniques they used > what evaluation netices they considered> what viernels they achieved.

We can also mention how they trained their base model - what accuracy they

- We can further mention what see processing techniques they used and what are the result { computational time, evaluation mekens}

Topics to leaven

\* Soft voting.

\* hard voting.

\* ANOVA f-test.

- 12 papers of lit review. 07/04/2025. \* Call with Dr. Zohaib Ijaz.

create minutes of meeting.

- XAI Techniques. update to Git Kab - Evaluation.

Daily 2 research papers.

Algorithm that we are planning to use:

Model to use: Kogistic suguesion / SVM

dataset is Small - attendentes are very crencial

- feature extraction / feature selection.

- So, SVM helps Identifying hidden rulations and gives

good puyoumance.

Cross validation.

hypur parameter turing.

Peudictions.

XAI Techniques to further emplain them.

16/07/2025

, June 30th - July 4th \_ Sick The July 11th - Data set merging + EDA on merged data set 14th - July 18th - Data pre-pro uning.

21St - 25th 
28th - Aug 1St -Aug 4th - 8th -11th - 15th -18th - 22nd -

Report

Abstract

Abstract

Background

Abstract

Background

Ankeoduchon

Ankeoduc

# 19/07/2025 EDA on combined dataset + Data purprouning on combined dataset

- \* EDA complied on Combined dataset. -> Committed final vousion to GIT.
- # uploaded the combined dataset. -> committed final vousion to 6215
- \* Created weekly Jowanal um GIT Kab. -> Created Individual directory from week 1-10
- \* updated the weekly Summovey of week 1,2,3.

## Next Steps :-

\* Data pre proussing + tilling NULL values using suggession techniques.

## 21/07/2024

\* Performed additional bi- variate analysis

#### 10 08 2025.

- \* Apply Random forest M.2 model -> yet Evaluation mekcies.
  - \* Apply M. L. Techniques > yet Evaluation netics.
  - \* Apply XAI Techniques -> Yet final conclusions.

4.

Technoques

Techniques

278

451

451

5. Emploinable Al

resulk

7. Evaluation 268 2213

8. Conclusion 202 552

+ future work 4262 11092 words — including words in tables.

Email to Zohaib SIY

\* charged report format from research paper -> thisis

Changes made # Updated Inkoduction with detailed matter mentioned in guidelines

- \* updated lit review with SOA tables + 5 additional papers
- \* updated Englaration of dataset and methods with univaviate

  EDA graphs + Interpretations.
- \* updated evaluation sections with outputs and detailed interpretations.