PROJECT

Non-Technical Presentation

- Overview
  Introduction
  Challenges
  Proposed Solution
  Brief Conclusion

  Problem Statement
  Objectives

- Business and Data Understanding
  Data Source
  Data Description; columns, rows etc.
  Data Analysis

- Modeling
  Discussing the model performances using the metrics available.
  Justifying the use of the specific classification metric

- Evaluation
- Recommendations
  Based on the findings, future improvements
- Next Steps
- Thank you

Technical Presentation

- Business Understanding

- Data Understanding
  Loading Data, Check data information

- Data Preparation
  Data Preprocessing; dealing with the null, duplicate, missing values and outliers
  Analysis; EDA

- Modeling
  Preprocessing; transformation, correlation, collinearity, feature engineering etc
  Baseline model,
  Complex Model; decision tree, random forest

Hyperparameter tuning; tune the baseline/complex model
Bagging and boosting,
Grid SearchCV etc

- Evaluation
  Discussing modeling findings

- Code Quality
  OOP format
  Data Pipeline; Data Sourcing/Mining, Data Preprocessing (Data Understanding, Data Cleaning), Data Analysis, Modeling, Deployment (Streamlit)

  ```
  Class DataSourcing():
      Pass

  Class DataPreprocessing(DataSourcing):
      Pass

  Class Analysis(DataPreprocessing, DataSourcing)
      Pass

  Class ModelDeploy():
      pass
  ```