Project README:

This README provides details on the dataset and data preprocessing and about the model used for this classification project in CS638_FinalProject.ipynb.

Project Overview:
The goal of this project is to predict [Target variable] using a classification machine learning model trained on the Birds_Strike.csv. The dataset is collected from FAA (Federal Aviation Administration) during 2000-2011.

Several models have been explored by tuning hyper parameters and changing data processing, and evaluated based on test accuracy, AUC-ROC, precision and recall.

Data Overview:
The project uses the Birds_Strike.csv dataset containing 25559 examples with 25 features.
Modified dataset and used 10 features that are important and required to classify the target variable.

Link to the Dataset: https://wildlife.faa.gov/search
The modified Dataset is uploaded in the Zip folder as Bird Strike.csv.

Link to access the code :
http://localhost:8888/notebooks/CS638_FinalProject.ipynb

Download all the Dataset , and upload it in the Jupyter Notebook .

Run Each Cell: Execute each cell in the notebook to perform all data preprocessing, model training and evaluation.
Download all the required libraries.