This document details contains functions as the Appendix for this project. It contains images that give further details about the steps taken to train the dataset during preprocessing. These steps are given below:

A screenshot of a computer program

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Image 1: Importing the required libraries.

A screenshot of a computer program

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Image 2: Defining the file paths to the CSVs.

A screenshot of a computer program

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Image 3: Merging all the CSVs into a single file.

A screenshot of a computer

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Image 4: DataFrame exploration.

A screen shot of a computer

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Image 5: Cleaning column names.

A screenshot of a computer

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Image 6: Removing missing and infinite values.

A screenshot of a computer code

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Image 7: Removing duplicate rows.

A screenshot of a computer screen

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Image 8: Performing feature selection.

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Image 9: Performing feature normalization.

A screenshot of a computer

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Image 10: Feature normalization.

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Image 11: Splitting data into Training, Validation and Testing data at a ratio of 3:1:1 respectively.

A screenshot of a computer

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Image 12: Handling data imbalance in Training set using SMOTE.

A screenshot of a computer

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Image 13: Saving preprocessed data into CSV files.