Midterm Report-David Fasipe

My main contribution to our machine learning project was writing the code that processed and prepared the heart disease dataset for analysis.In writing the code for our project, I followed key data processing guidelines to ensure the dataset was clean, consistent, and ready for analysis. I began with feature engineering to create new variables that added more meaning to the data. Then, I applied one-hot encoding to convert categorical features into numerical form for better model performance. To handle missing information, I used the filling of NaN and NULL values with appropriate replacements. Afterward, I performed scaling to adjust the range of numerical data and normalization to make the data distribution more uniform. Finally, I applied encoding to label categorical data, ensuring that all features were properly prepared for machine learning algorithms. I also made sure the code was efficient, organized, and properly documented so other team members could easily understand and build on it. Additionally, I managed the project's GitHub repository, ensuring all files were up to date and our work stayed consistent across the team.