Task 2 - Binary Classification Problem:

I started solving this problem by cleaning the data as discussed in the data cleaning steps document, then constructed a neural network model that consists of 3 dense layers, it was training as expected, but the problem I got and couldn’t get to solve it is that it doesn’t learn, basically the accuracies of training and testing are almost always zero, tried different number of layers, neurons, optimizers, and loss functions but to no solve, also thought it was the way I encoded the data in python, so I encoded them again in excel directly, but looks like I did it right the first time, and maybe the way I encoded was wrong somehow, also provided visualizations for the data, a heat map to show how the data relate to each other, and two charts that show the training and testing accuracies.