The first model was designed using the following parameters and hyperparameters

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| # units in layer 1(activation) | #units in layer  2(activation) | #units in layer 3(activation) | #units in output layer | Optimizer | Learning rate | Batch\_size | Epochs |
| 200(relu) | 40(custom) | 200(relu) | linear | Adam | 0.001 | 16 | 80 |