**First Neural Network**

**Input: 6 features of Signal (without noise, with noise)**

**Number of datapoint: 2100**

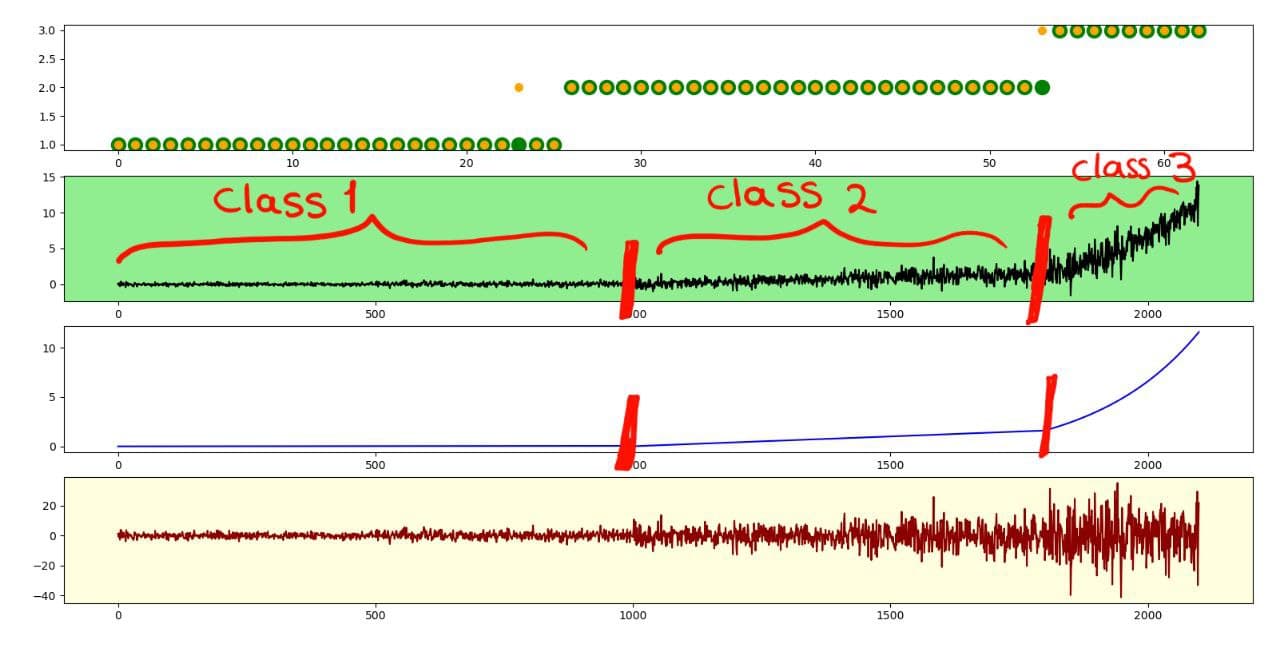
**Number of Segmentation: 210 (for each 10 datapoint)**

**Number of classes: 3**

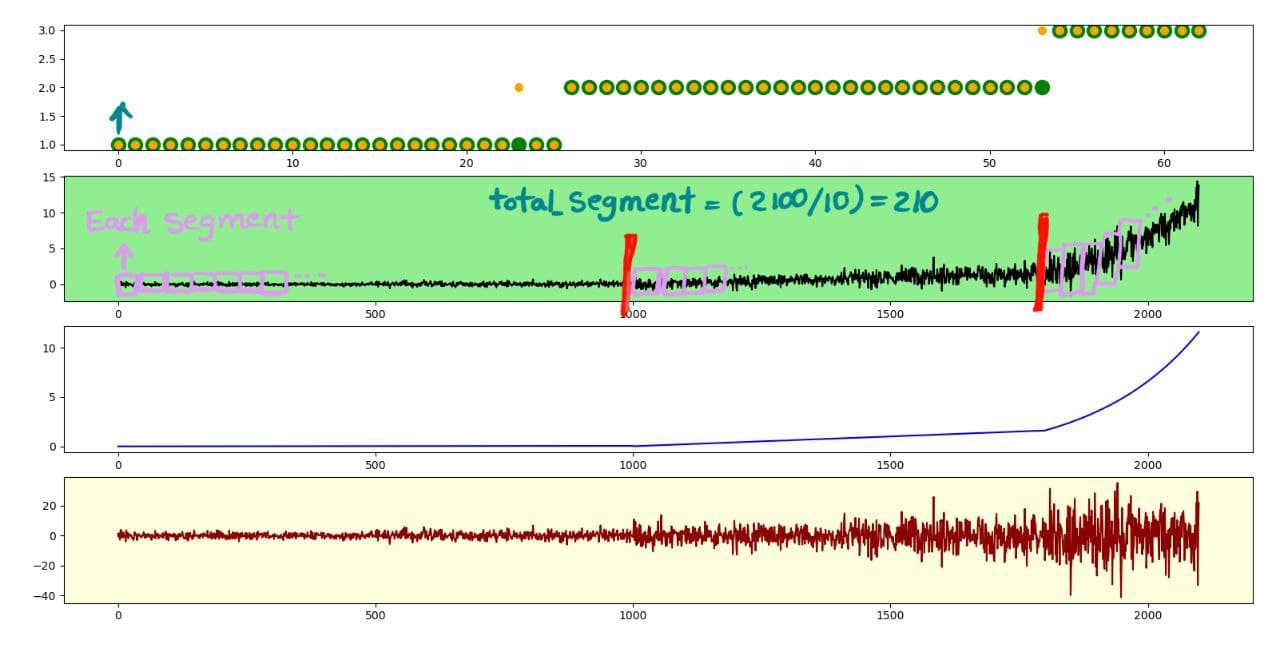
**Neural Network: MLP Classifier**

**Output: confusion matrix + Plot**

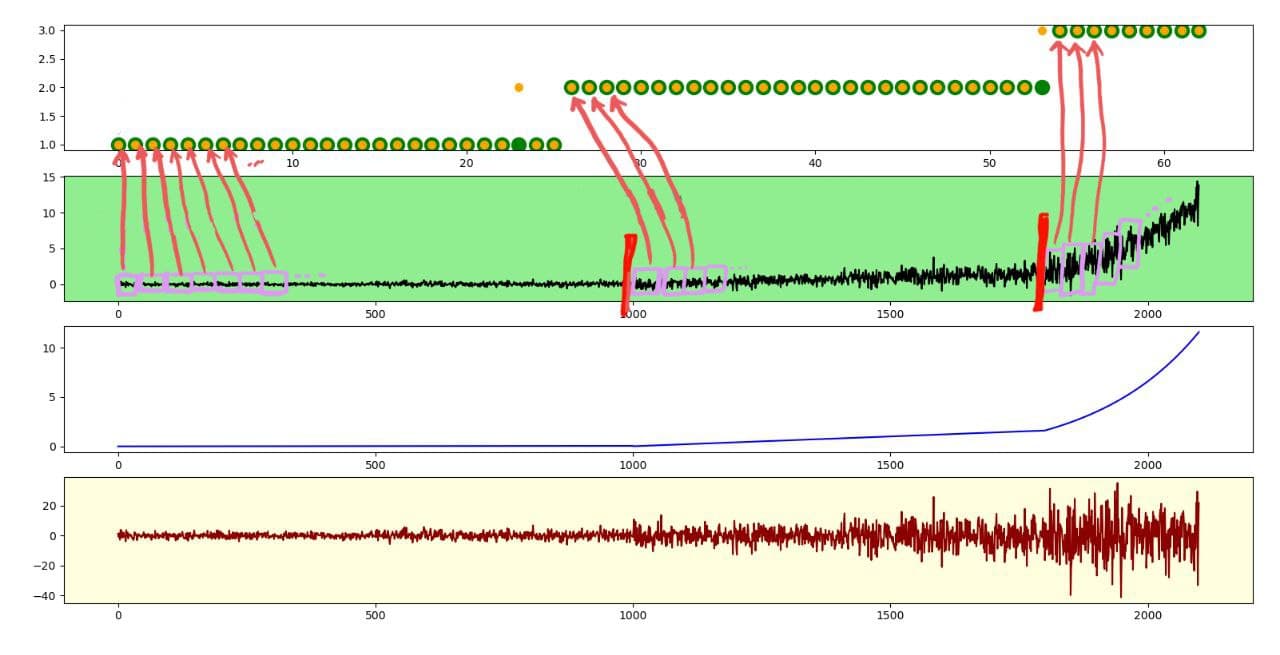
**First Step**

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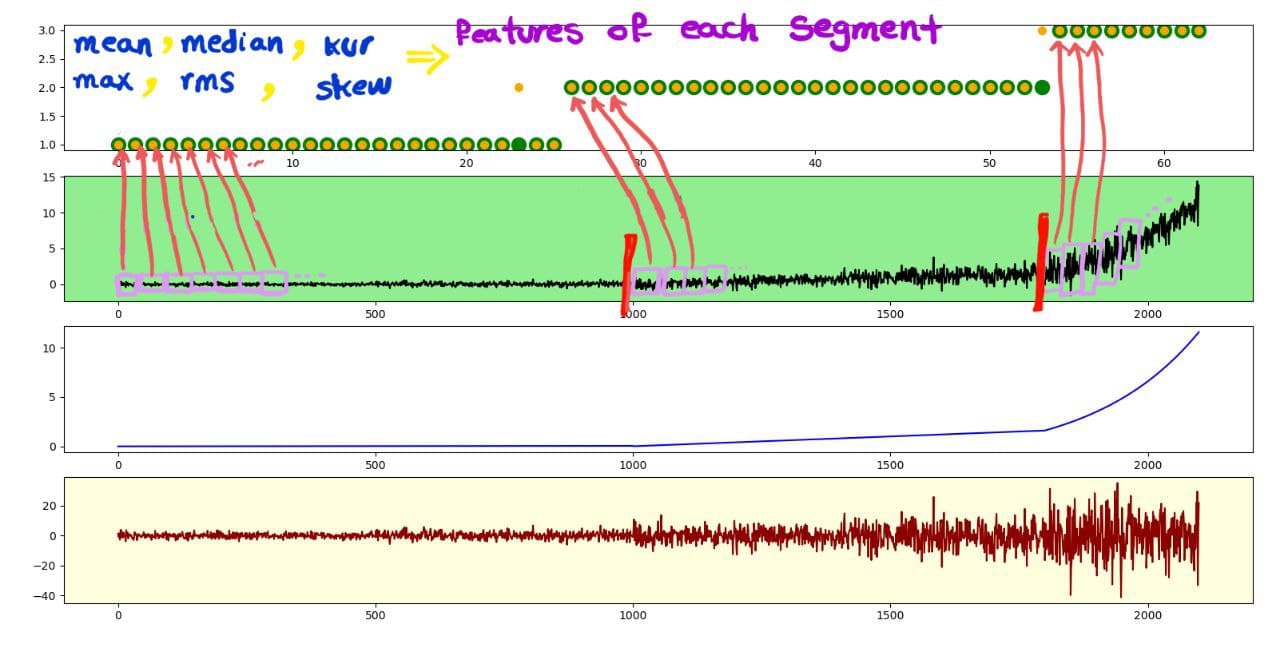
**second Step**

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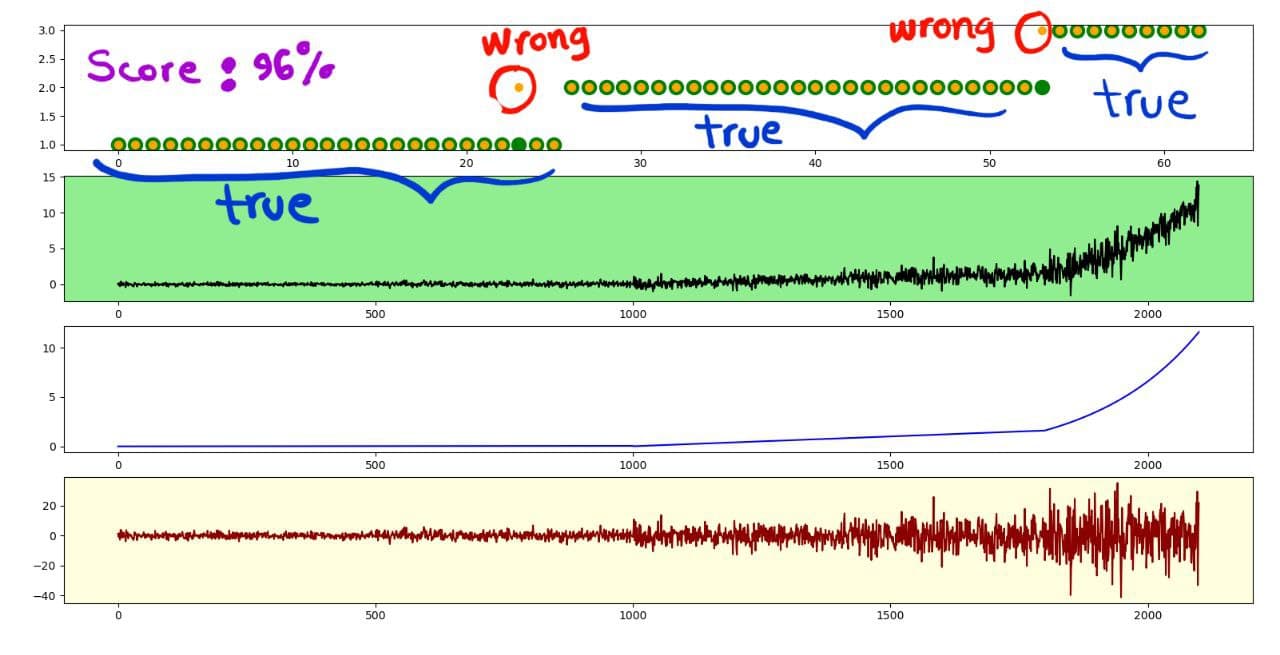
**third Step**

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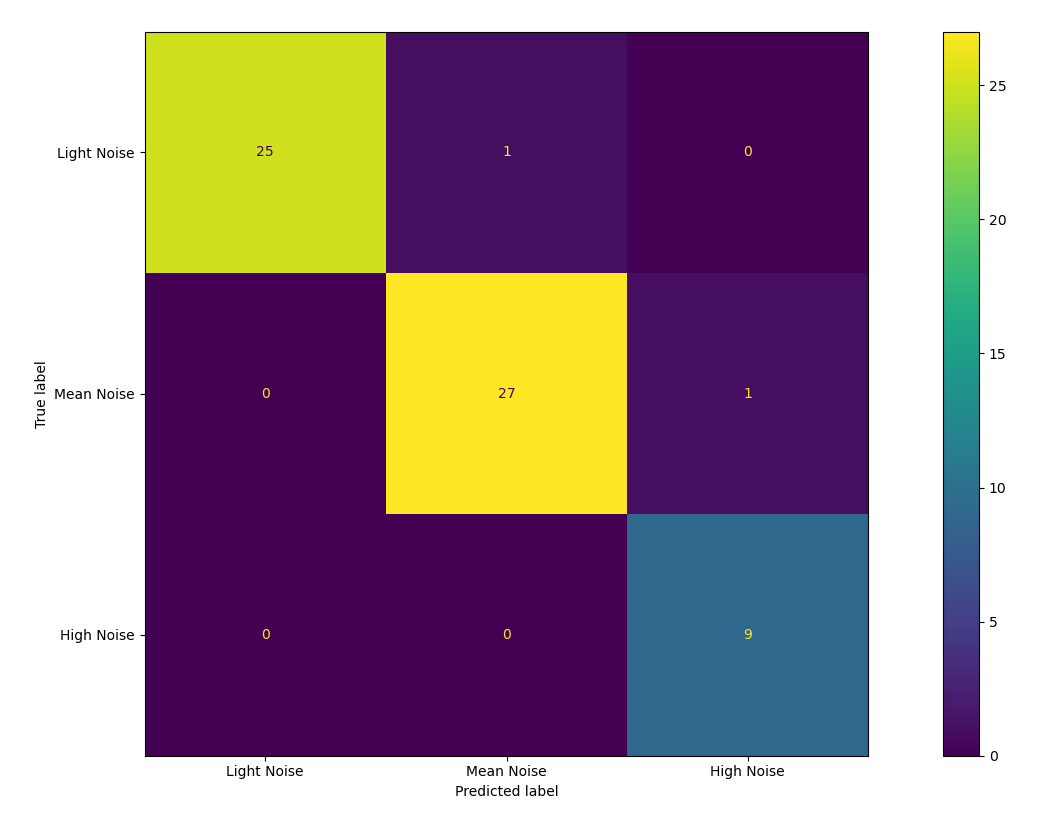
**4th Step**

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**5th Step**

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**confusion matrix**



**Score: 96%**