

Lab 10: Machine Learning

Fig 1: Collecting samples, training data

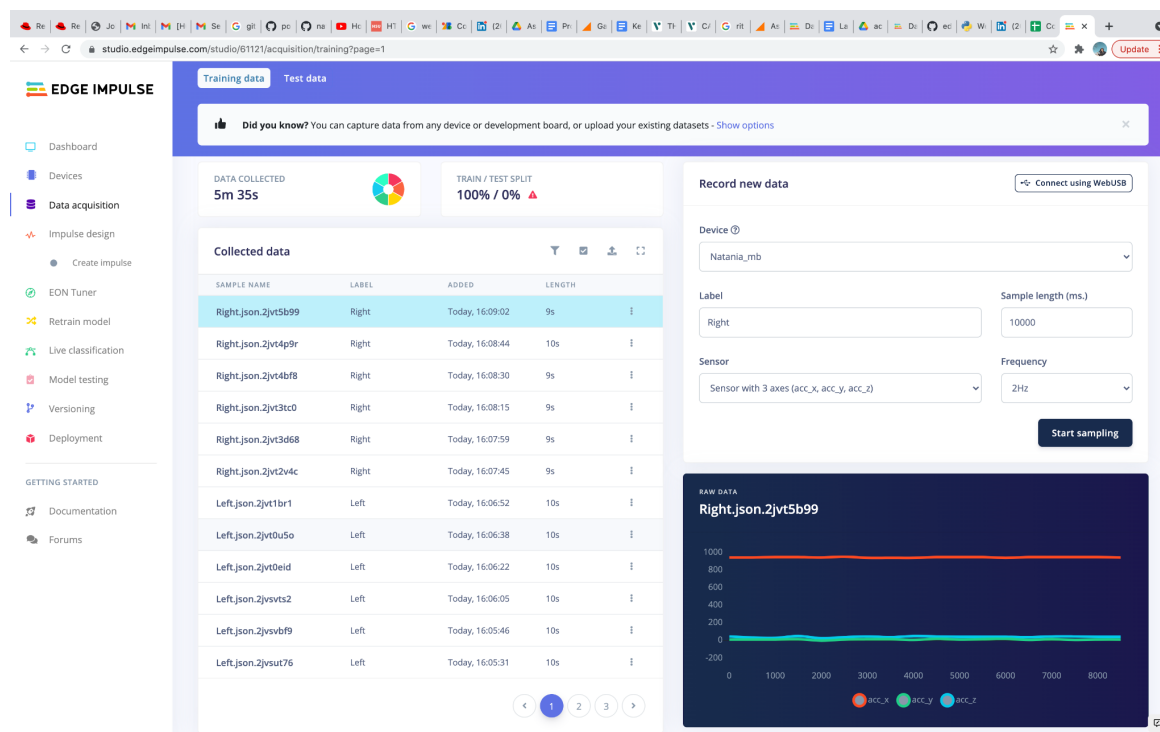


Fig 2 (i): Testing data

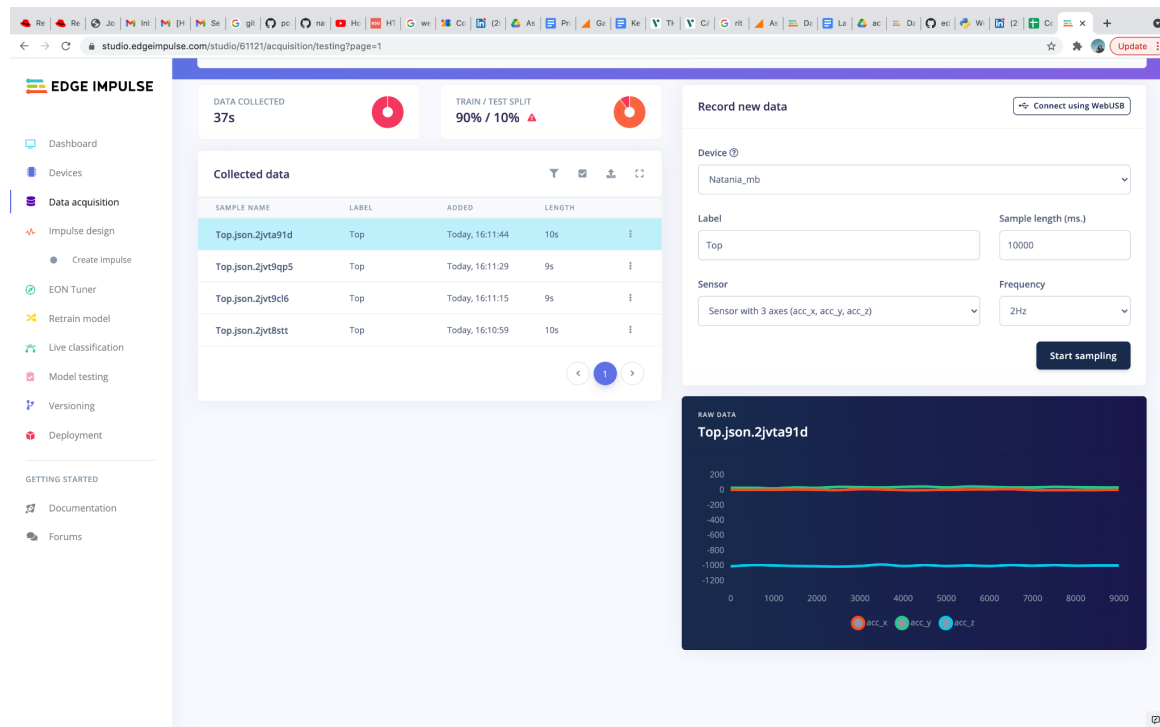


Fig 2 (ii): Testing data

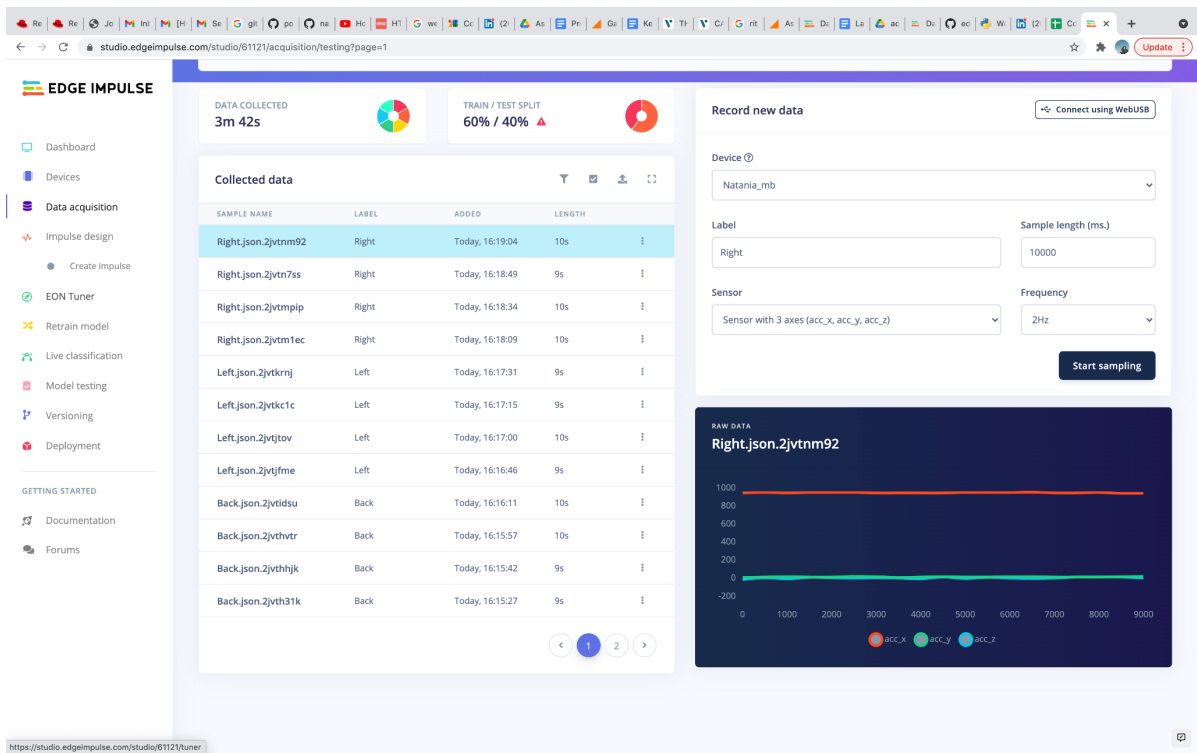


Fig 3: Creating impulse

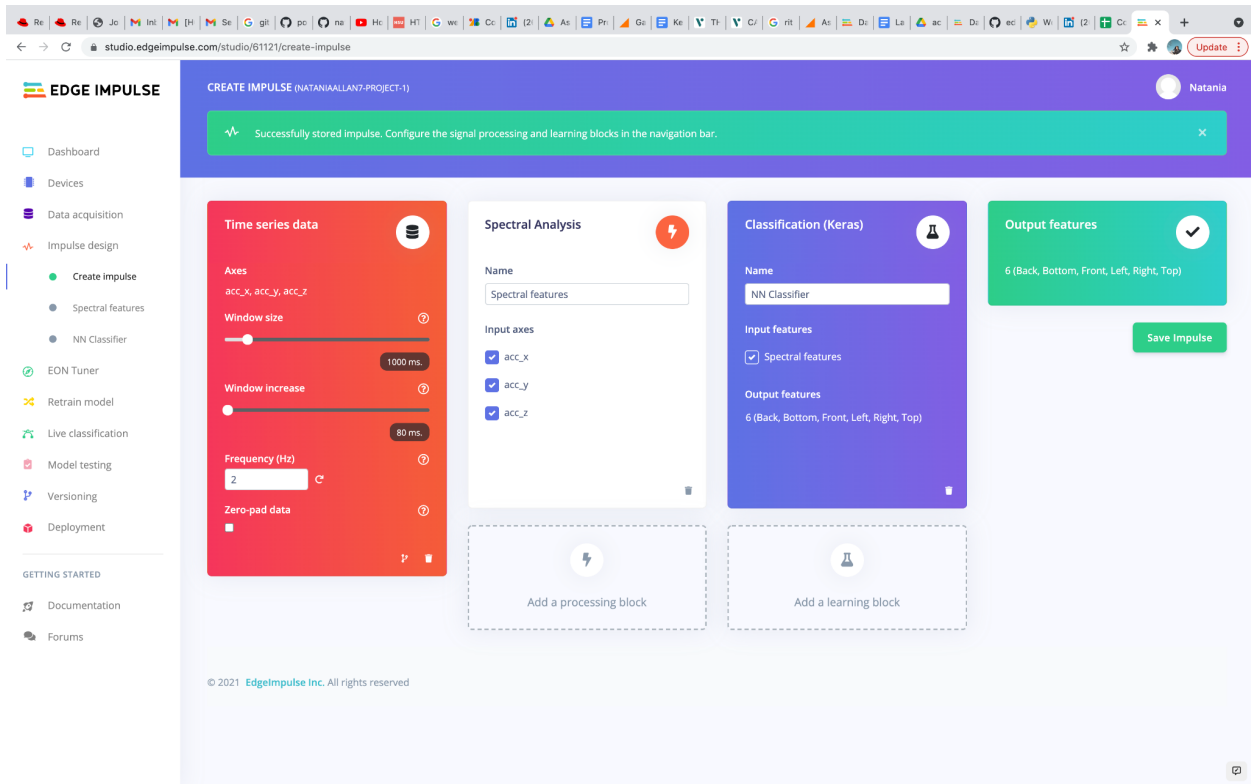


Fig 4 (i): Spectral features

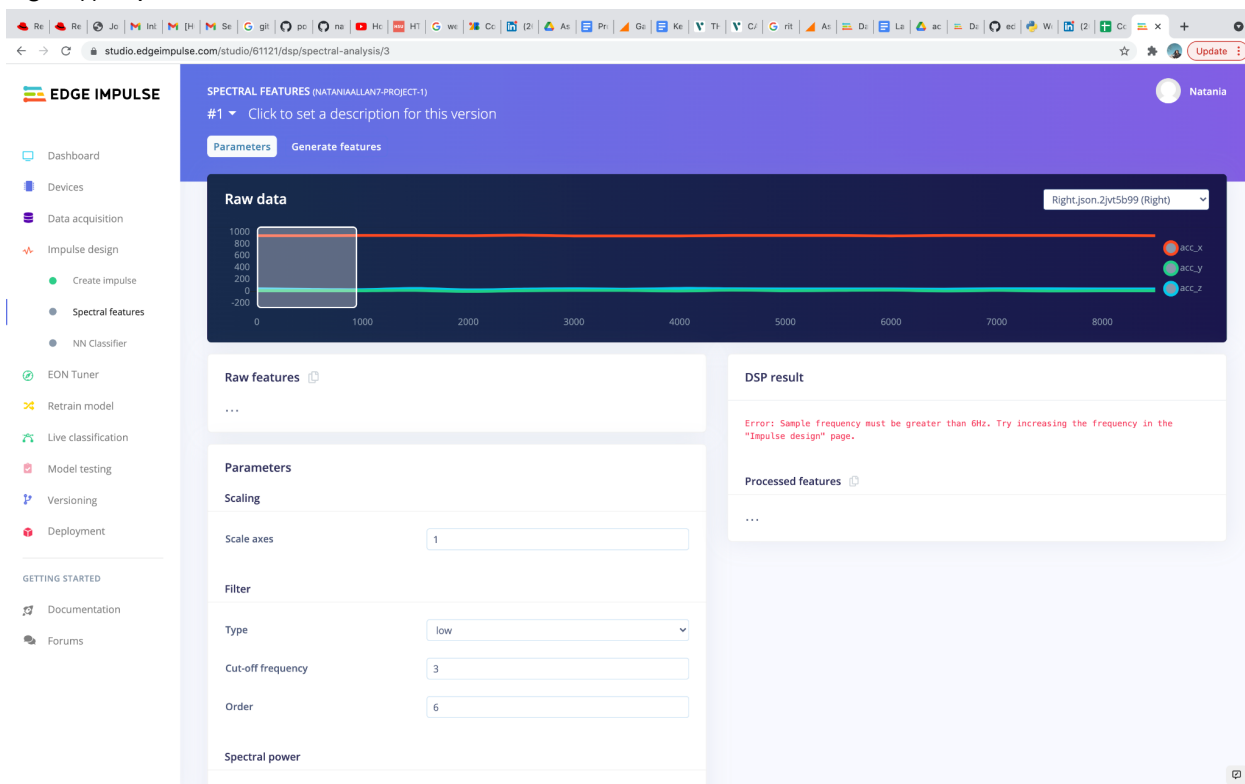


Fig 4 (ii): Spectral features

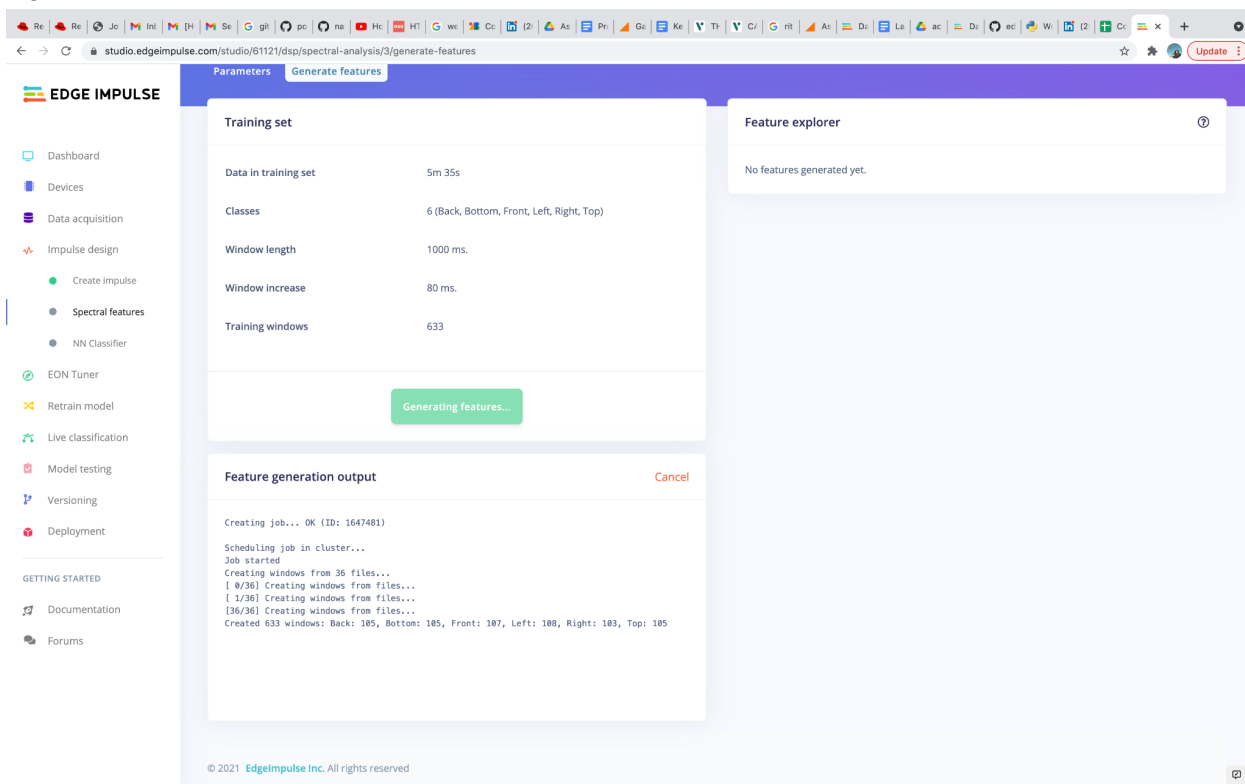


Fig 5: Training set

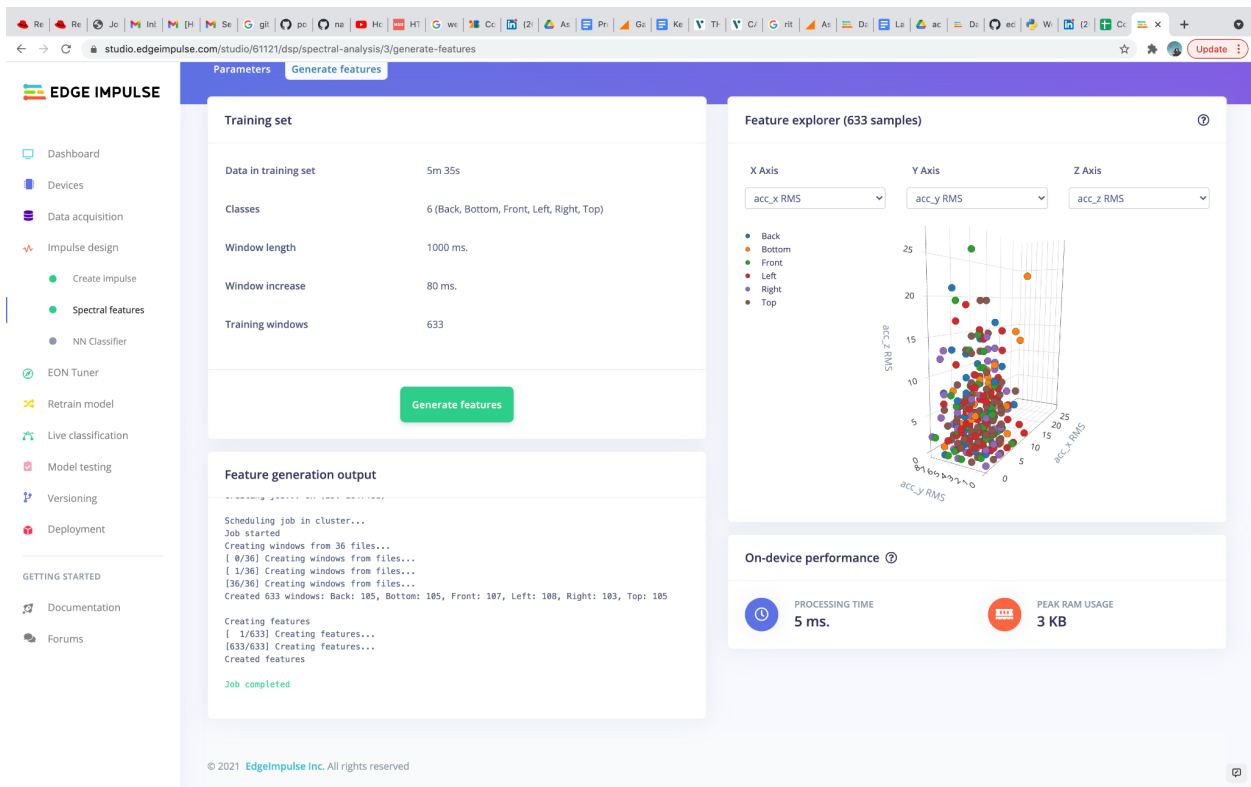


Fig 6: NN Classifier

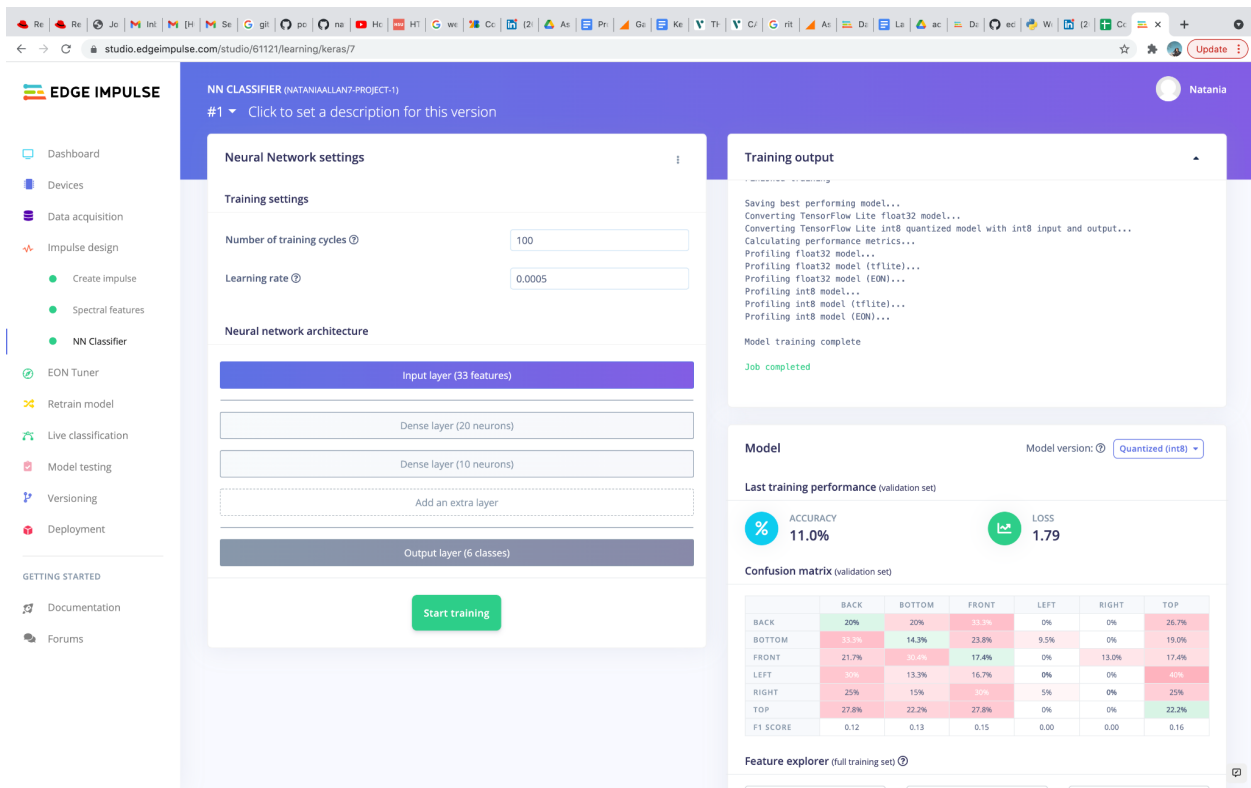


Fig 7: Model Training Output- Accuracy rate/ value

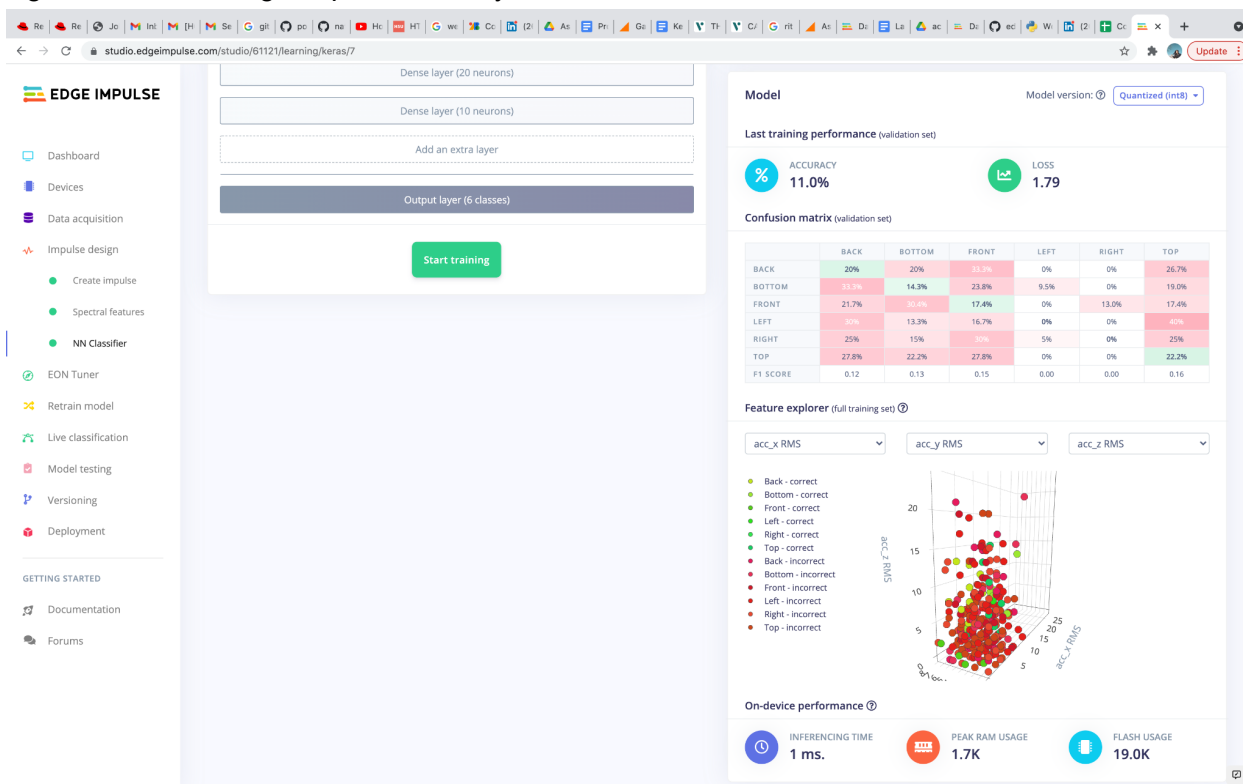


Fig 8 (i): Live Classification test sample output

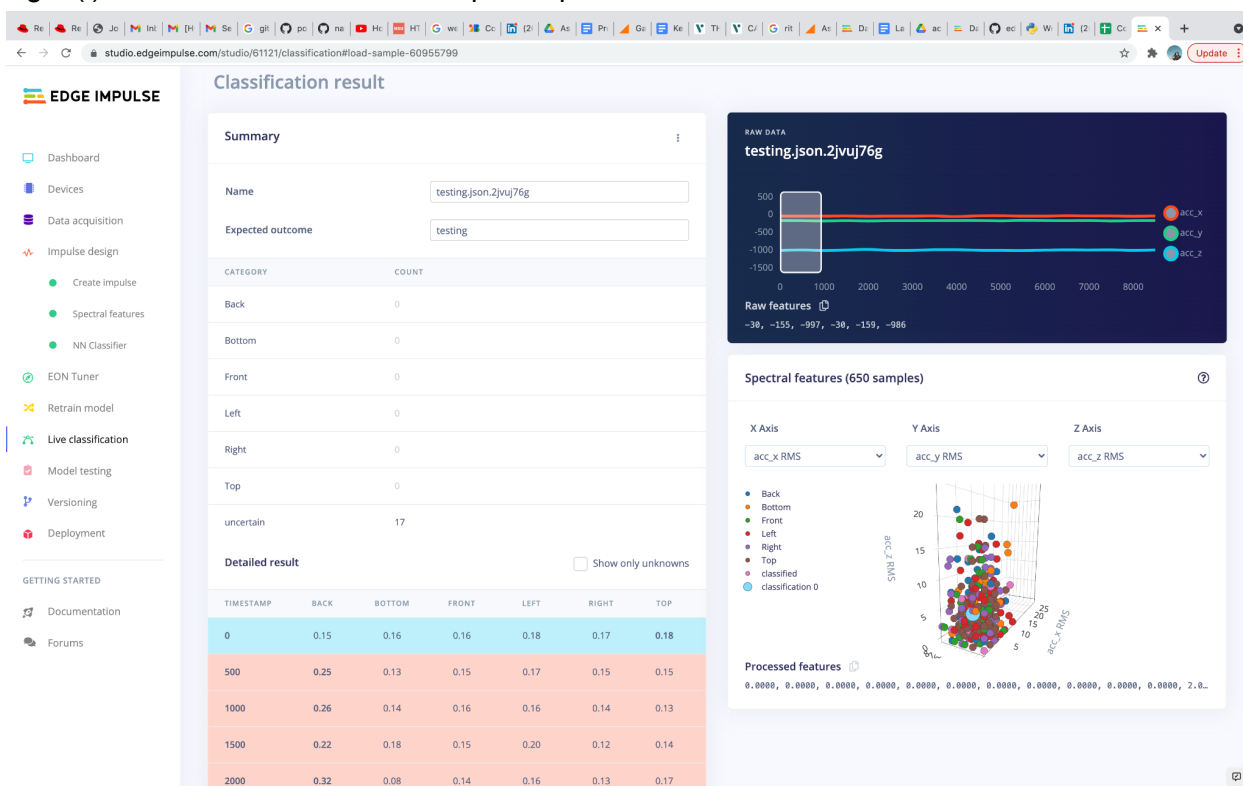


Fig 8 (ii): Live Classification test sample output

