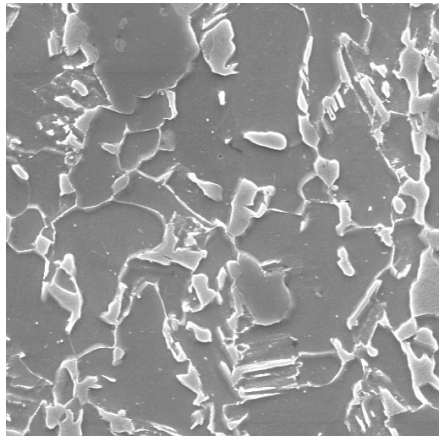
Image Segmentation

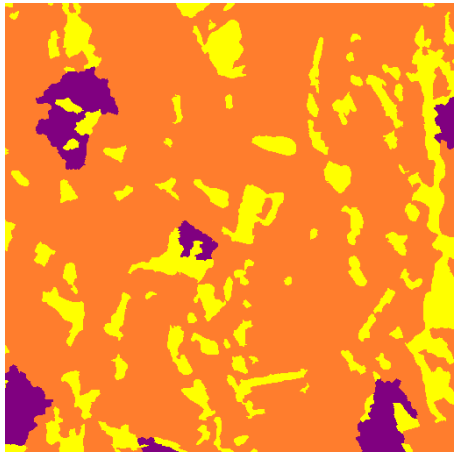
Progress Report

Bishal

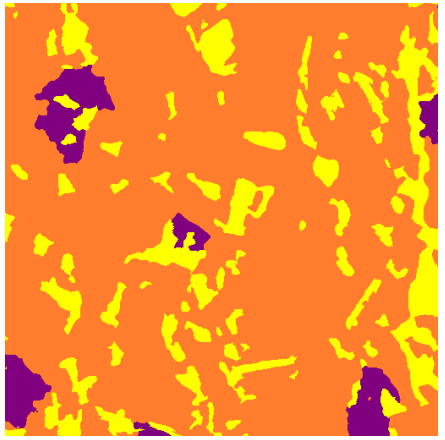
Model Output



Input Test Image



Input Label Image



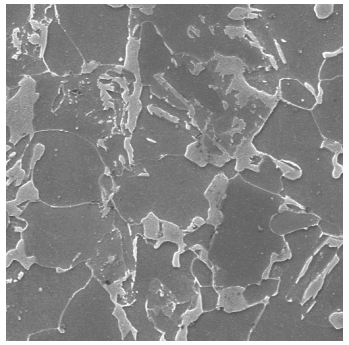
Output Test Image

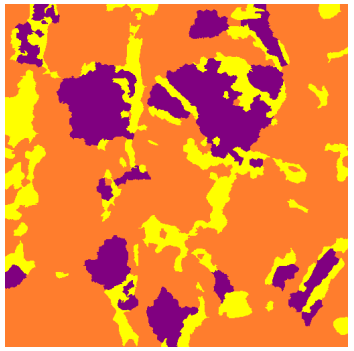
Validation mIOU → 0.4817370933129716 5

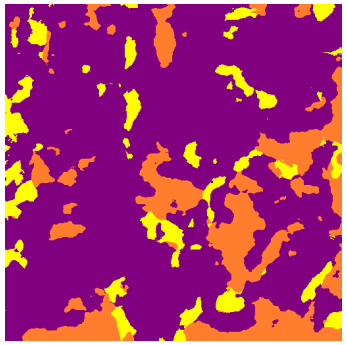
Validation Acc → 97.44

Dice Coefficient(Non-Alias) → 0.9882

With Magnified



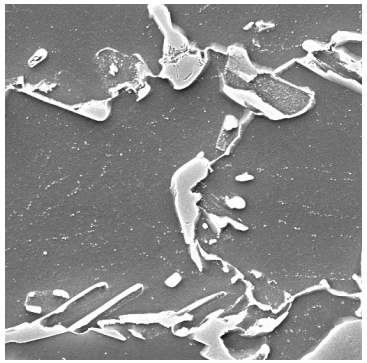




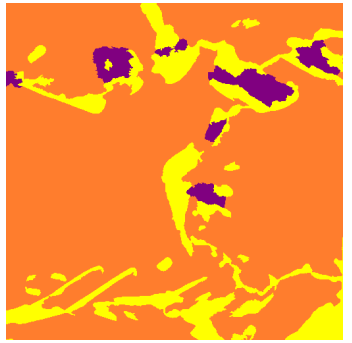
← x3000 Magnification

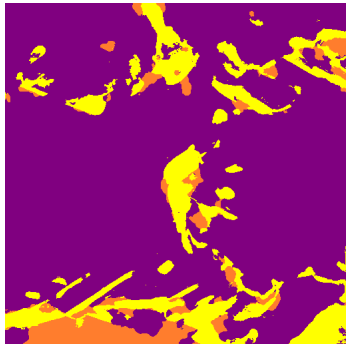
Dice Coefficient → 0.411

x5000 Magnification →



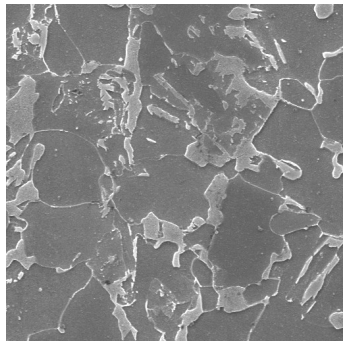
Dice Coefficient → 0.2209

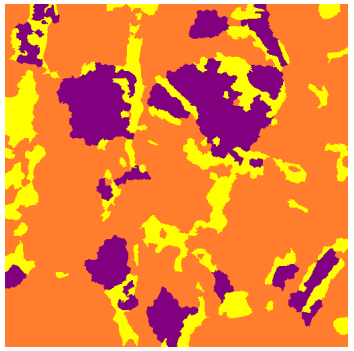


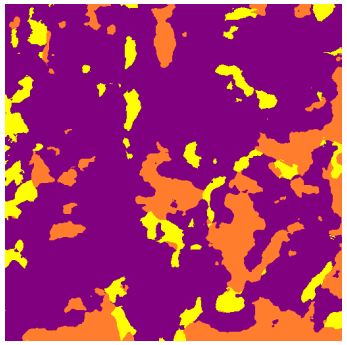


Observation

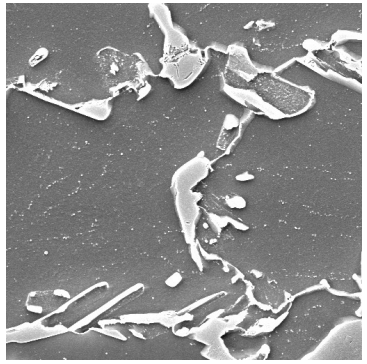
x3000 Magnification

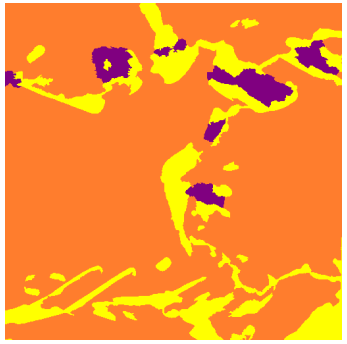


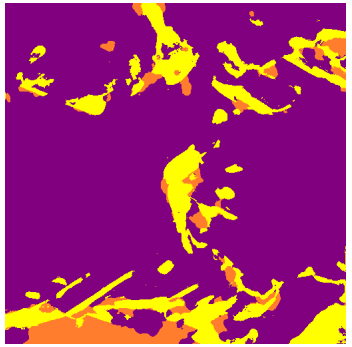




x5000 Magnification







Even with magnification, the model predicts the bright part of the images (into yellow) properly.

But as the distinction between the gray areas for orange and purple is less, the model does not generalize well.