## **ICP 8 RFPORT**

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*** Code + Text

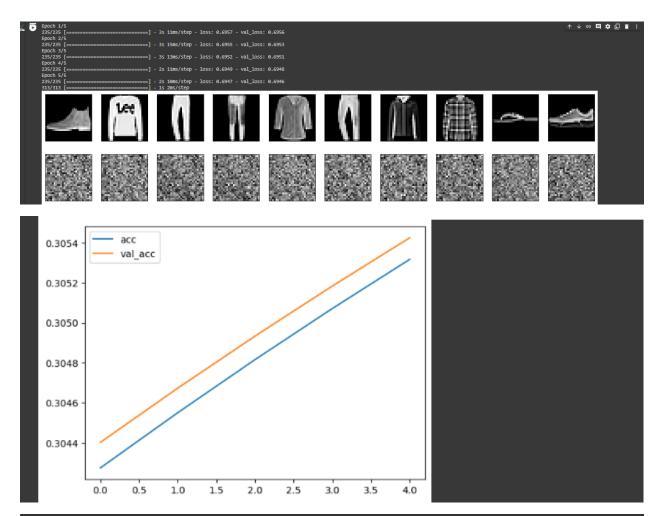
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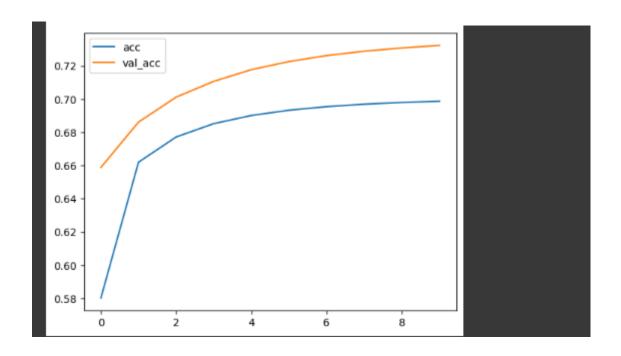
```
# Visualize original and reconstructed images
    import matplotlib.pyplot as plt
    n = 10
    plt.figure(figsize=(20, 4))
    for i in range(n):
        ax = plt.subplot(2, n, i + 1)
        plt.imshow(x_test[i].reshape(28, 28))
        plt.gray()
        ax.get_xaxis().set_visible(False)
        ax.get_yaxis().set_visible(False)
        ax = plt.subplot(2, n, i + 1 + n)
        plt.imshow(x_test_predicted[i].reshape(28, 28))
        plt.gray()
        ax.get_xaxis().set_visible(False)
        ax.get_yaxis().set_visible(False)
    plt.show()
    # Calculate accuracy
    loss = history.history['loss']
    val_loss = history.history['val_loss']
    accuracy = [1 - x for x in loss]
    val_accuracy = [1 - x for x in val_loss]
    plt.plot(accuracy, label='acc')
    plt.plot(val_accuracy, label='val_acc')
    plt.legend()
    plt.show()
```



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Repository link: <a href="https://github.com/sxk7912/Bigdata">https://github.com/sxk7912/Bigdata</a>