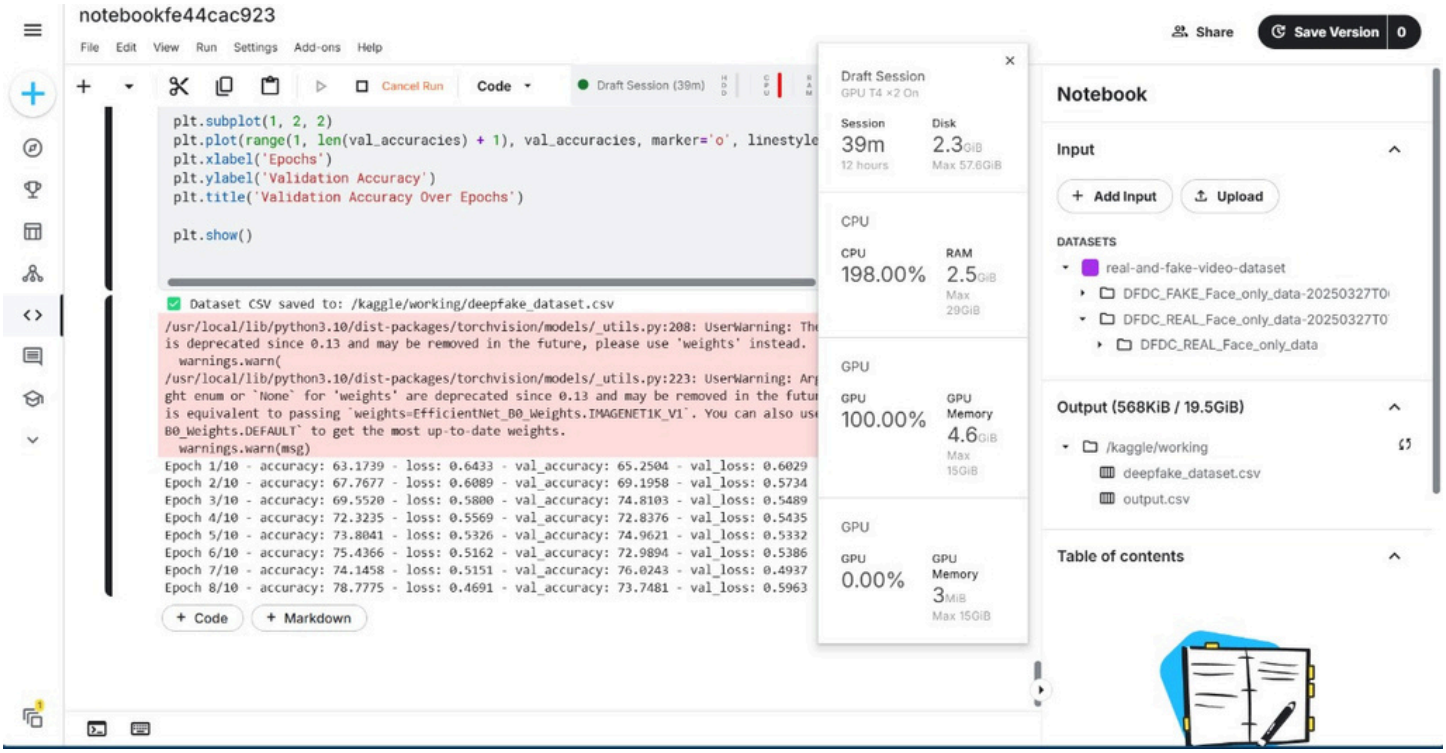
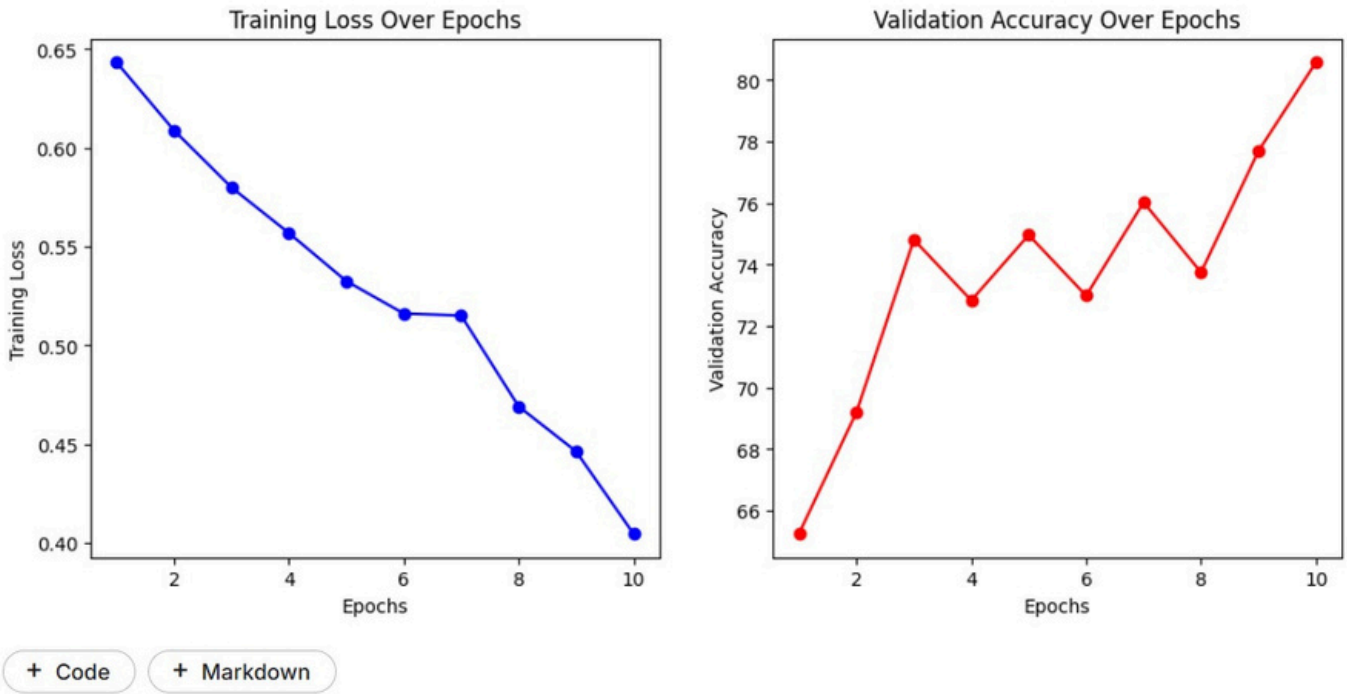
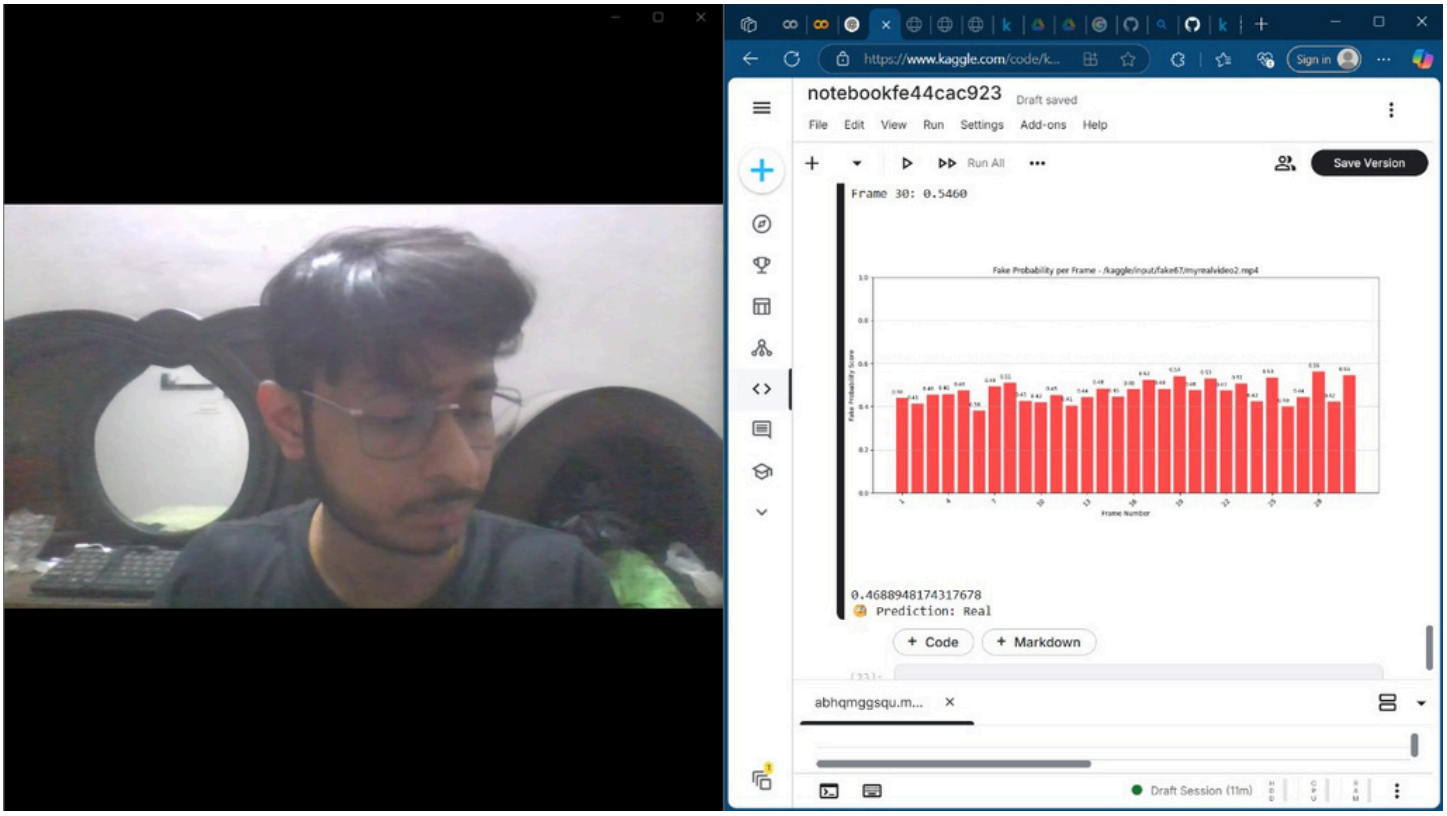
Deep Learning Model (ENF1)

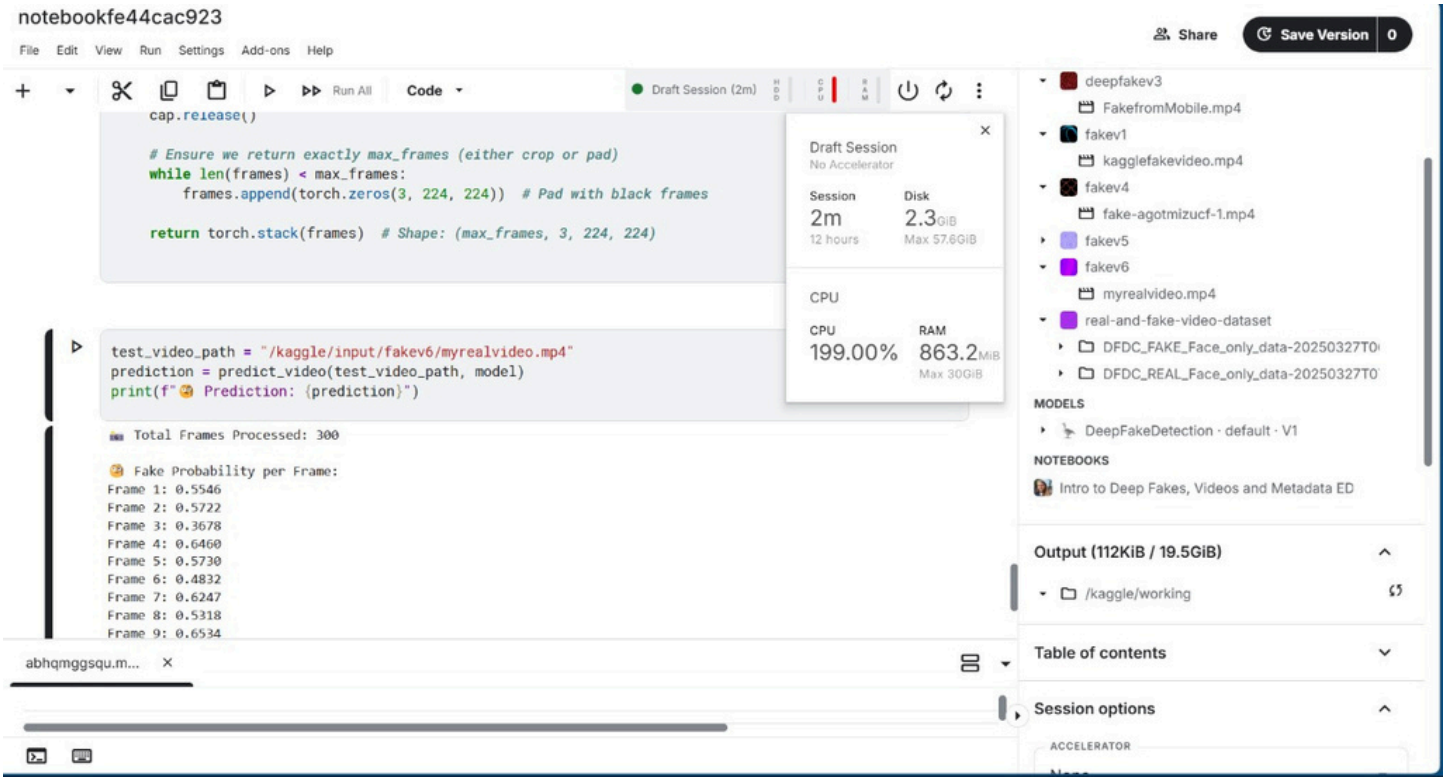
Sir, I found that there are many models working on deepfake detection, but when I ran this model(**ENF1**) on videos, it produced very good results. I trained this model for only 10 epochs, even though the dataset is huge, with more than 3,000 videos. Below are the results. Moreover, the model's weight is just 24MB, whereas existing models are much heavier, ranging from 110MB to 220MB. Despite being lightweight, this model's architecture performs well, as both the training loss and validation accuracy decrease and increase linearly, indicating that the model is not overfitted. We can achieve higher accuracy and better results by increasing the number of epochs and adding more neural network layers.

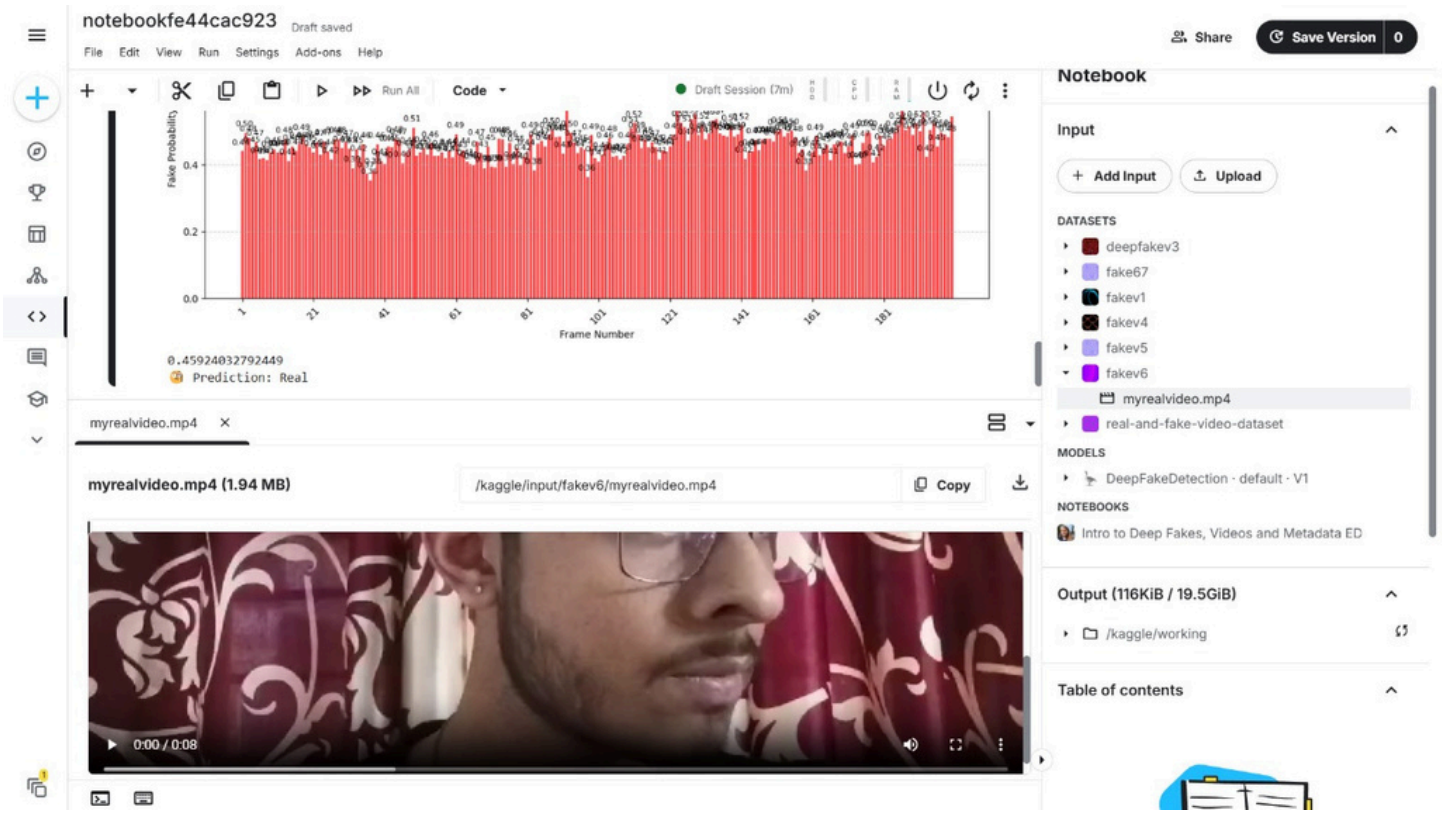




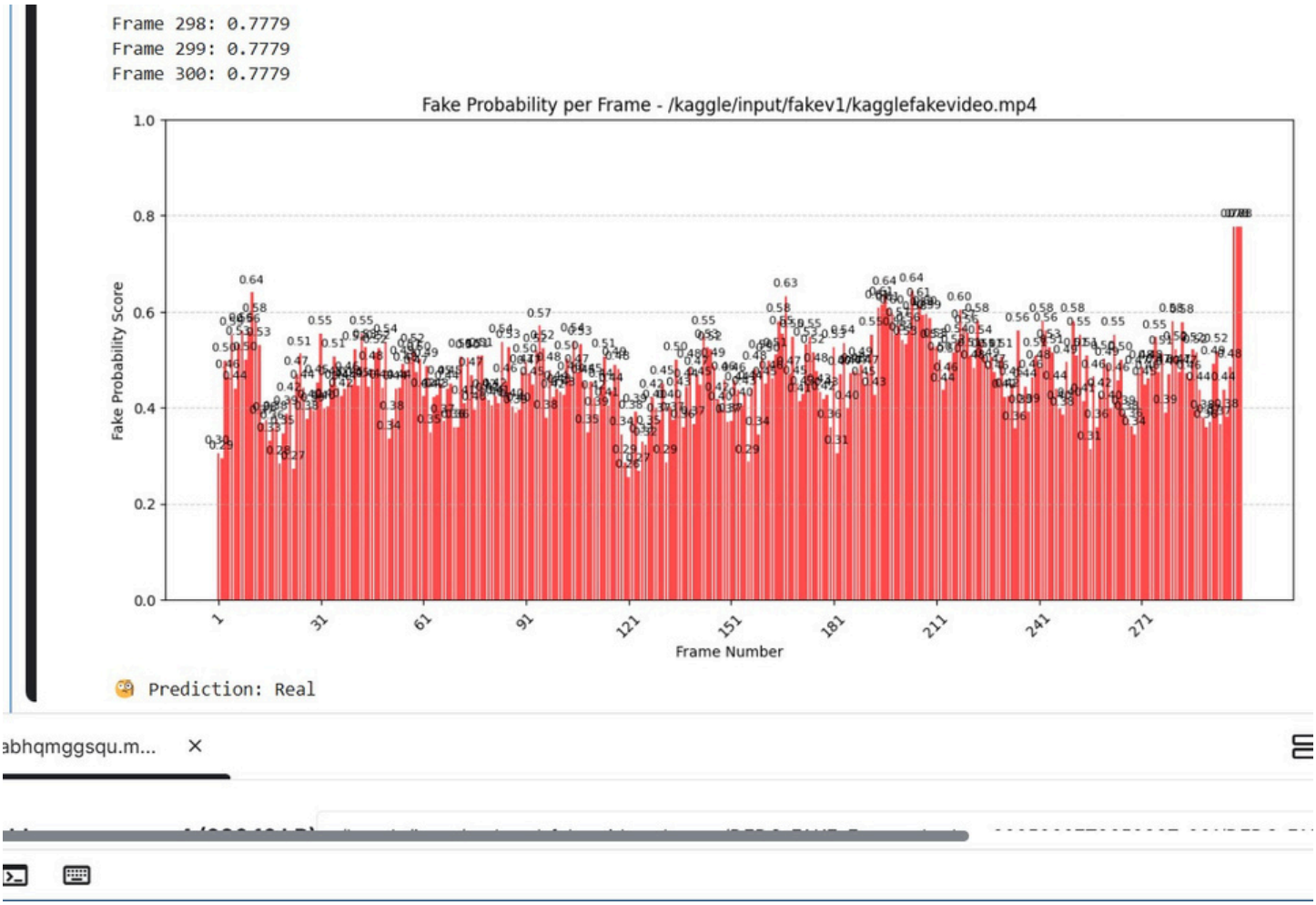


Working with 300 frames





Here model shows some hallucinations in below image, but we can make it more accurate by increasing the dataset and applying various improvement techniques.



- **ENF1** is a deepfake detection model developed by **CDI** to protect you and your family from deepfake threats.