

*Transfer learning from
pre-trained model*

VGG16-based model

70:30 train-test split

Training accuracy: **0.97**

Test accuracy: **0.97**

Confusion matrix

	Sober (actual)	Drunk (actual)
Sober (predicted)	118	2
Drunk (predicted)	5	115

*retraining the last
convolutional layers block*



*Fine-tuning the base
drunkenness classifier*

VGG16-based model

70:30 train-test split

Training accuracy: **0.96**

Test accuracy: **0.96**

Confusion matrix

	Sober (actual)	Drunk (actual)
Sober (predicted)	120	0
Drunk (predicted)	9	111