Traffic Sign Recognition

Faculty of Computers & Artificial Intelligence

Selected 1

Repository Link: https://github.com/mahmoudhaney/TrafficSignRecognition

Team 15

ID		NAME	LEVEL	Department
1	202000186	آية عماد طلعت حرب	3	CS
2	202000376	ساره وليد سيد	3	CS
3	202000649	فيروز جمعه منصور محمد	3	CS
4	202000677	كريمه ابو حسيبه محارب	3	CS
5	202000861	محمود هاني سعيد	3	CS
6	202000895	مصطفى جمال عبد الحكيم	3	CS
7	202001010	نورهان طارق عبدالهادي	3	CS

Dataset Information

Name

Traffic Sign Recognition

Total Dataset ➡ **39209**
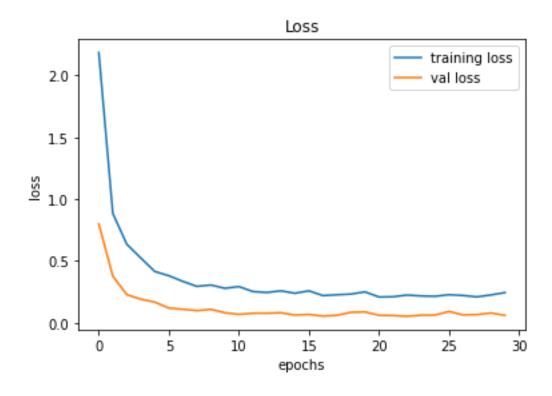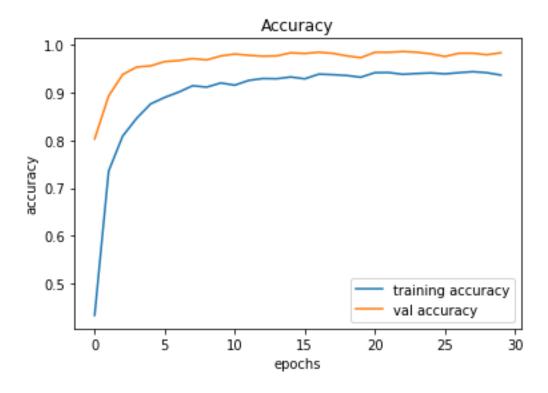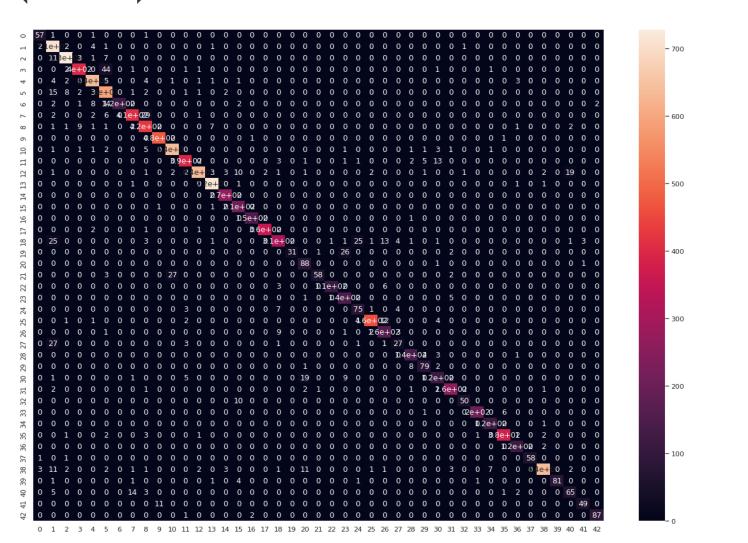
Training Data ➡ **31367**

Validation Data ➡ **7842**

Loss Curve

Accuracy Curve

Confusion Matrix

Hyperparameters

Resize Image ➡️ 32 * 32

Num of Epochs ➡️ 30 epochs – For NN

Learning Rate ➡️ 0.25 --> 0.5 – For NN

Before

Accuracy for SVM Model: 93%

Training Data: 70%

Image Size: 40 * 40

After

Accuracy for SVM Model: 99%

Training Data: 80%

Image Size: 32 * 32