

**Traffic Sign Recognition**

Faculty of Computers & Artificial Intelligence

Selected 1

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

**Team 15**

|  |  |  |  |  |
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**Dataset Information**

Name

**Traffic Sign Recognition**

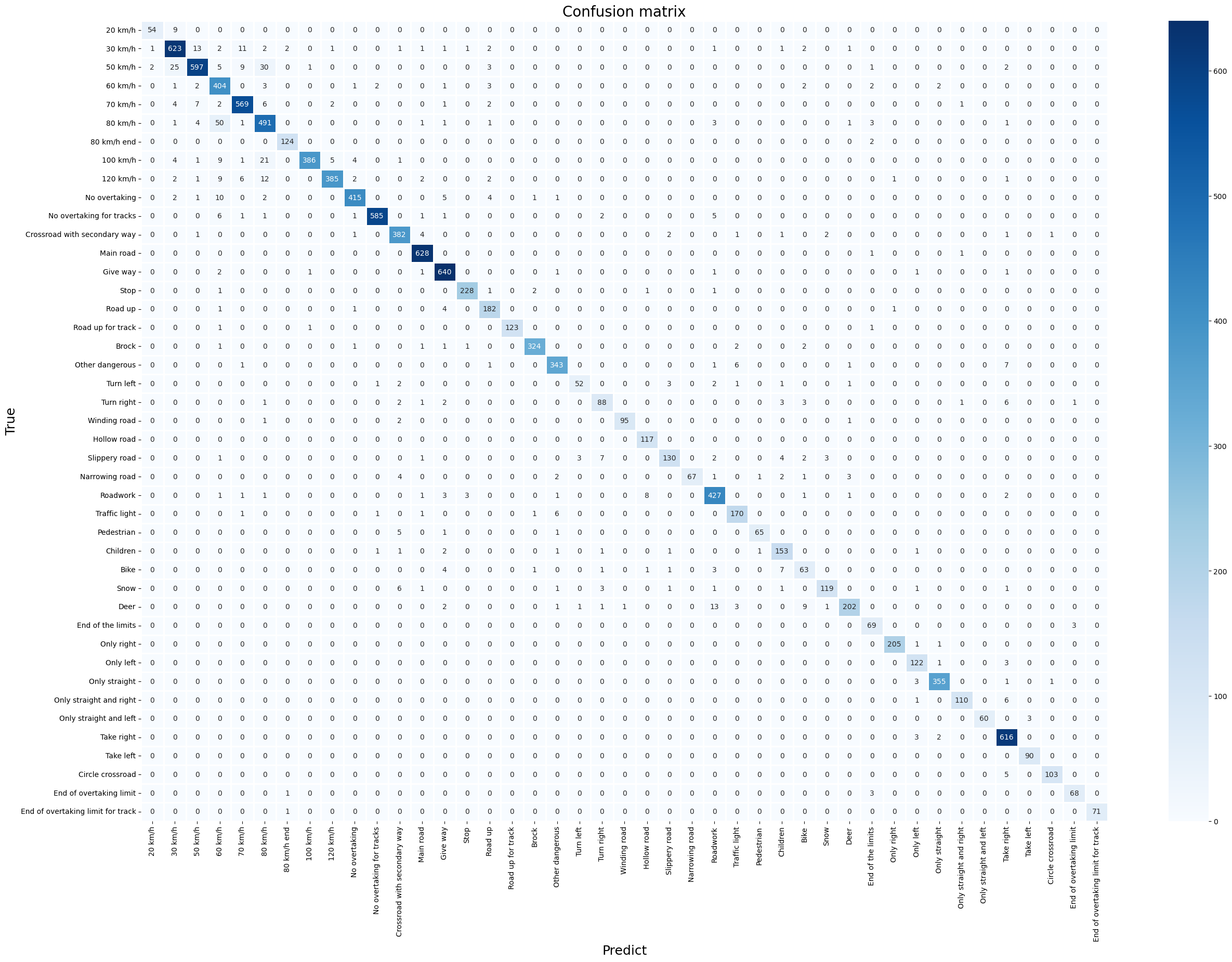
**Total Dataset 39209**

**Training Data 31367**

**Validation Data 7842**

**ANN Model**

Confusion Matrix



Accuracy Curve

Chart, line chart

Description automatically generated

Loss Curve

Chart, line chart

Description automatically generated

**SVM Model**

ROC Curve

Text

Description automatically generated with low confidence

Score Curve

Chart, line chart

Description automatically generated

**Another NN Model**

A picture containing graphical user interface

Description automatically generated

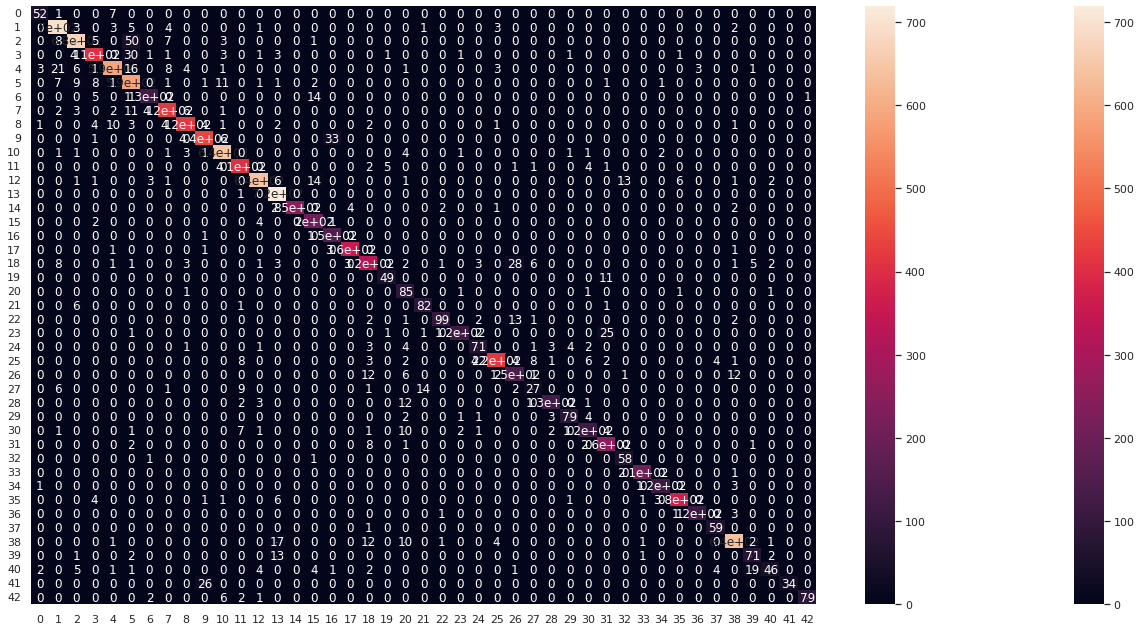
Accuracy Curve

Loss Curve

A picture containing chart

Description automatically generated

Confusion Matrix



ROC Curve

Chart, line chart

Description automatically generated

**Hyperparameters**

**For ANN Model**

Resize Image: 32 \* 32

Num of Epochs: 30 epochs

Learning Rate: 0.25 - 0.5

Activation Fun: Relu & Sigmoid

Optimizer: Adam

**For SVM Model**

Resize Image: 32 \* 32

SVC Kernel: Linear