Signs traffic Classification CNN Model

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Content

Problem statement

Methodology

Results

Conclusions



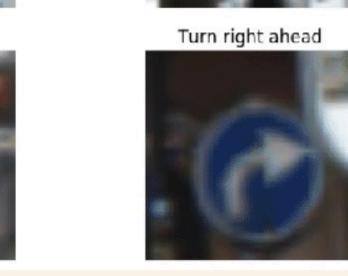
Problem statement

- Variability in Lighting and Weather
- Different Angles and Distances
- Occlusions





Pedestrians



Bumpy road

General caution

Dataset

Traffic Sign Dataset - Classification

traffic Sign Data:

1- DATA

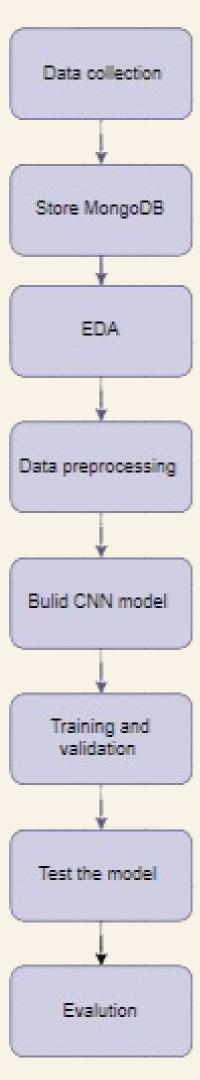
2- TEST

labels.csv



Methodology

CNN Model



Results

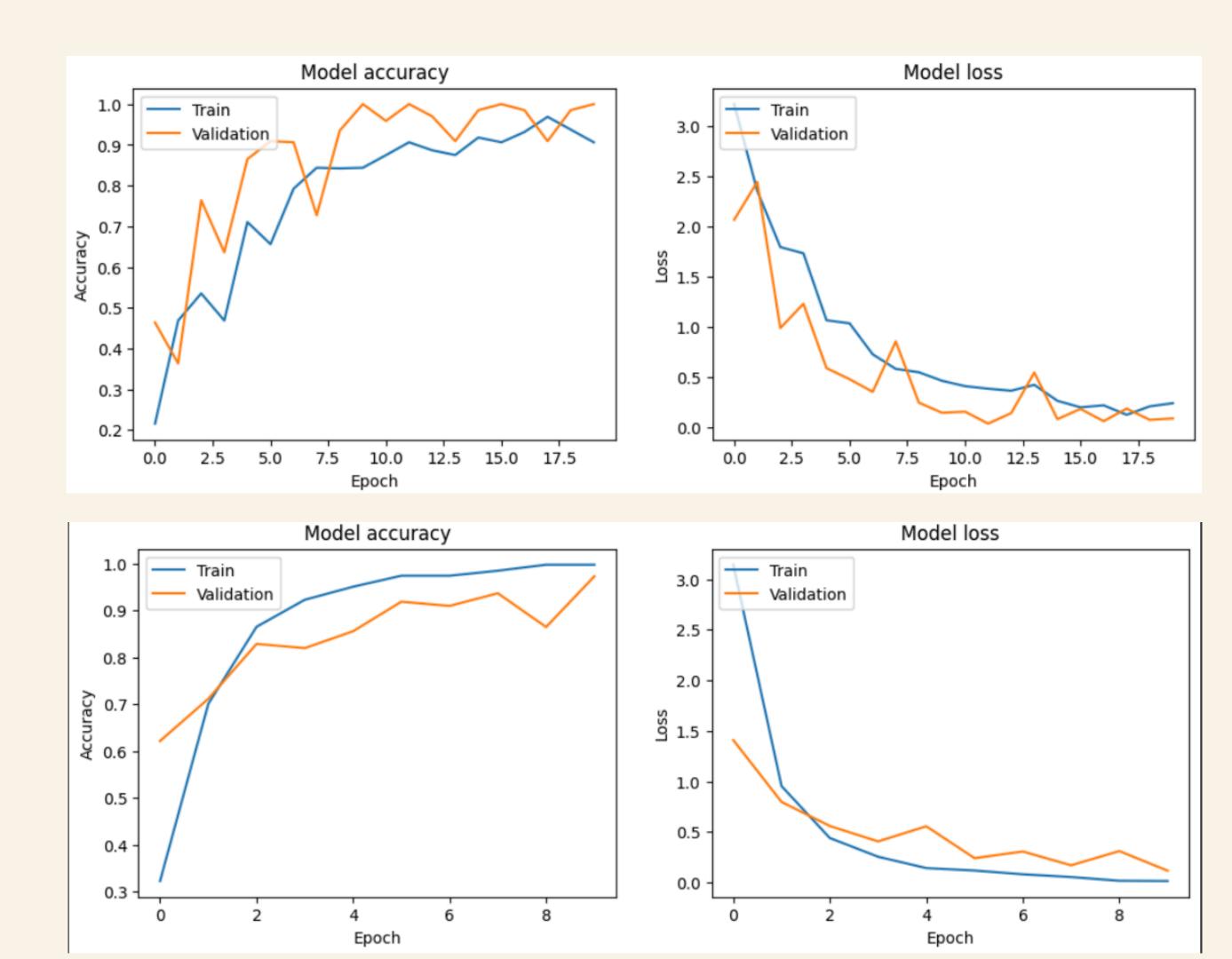
Large datset

small datset

Results

Large datset

small datset



Challenges

- 1 MongoDB
- 2 Big Data
- 3- Deadline

features work

1- Implement real-time traffic sign detection

2-Enhance the model to detect and Classification multiple signs

thank!