With merged dataset.

Todo: dataset balance (check if imbalanced and apply balancing).

Todo: train on dataset and test on a different one.

Todo: create new testing dataset.

Todo: maybe model is familiar with dataset

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Architecture | Image size | Batch Size | Epochs | Train Accuracy | #params | Validation Accuracy % | Test Accuracy % | Precision | Recall | F1-Score |
| SqueezeNetV1\_1 | 112 | 64 | 40 | 92 | 723k | 90 | 89 | 1 | 90 | 95 |
| SqueezeNetV1\_1 | 48 | 64 | 80 | 86 | 723k | 87 | 89 | 1 | 83 | 90 |
| SqueezeNetV1\_1 | 40 | 64 | 80 | 96 | 723k | 91 | 91 | 1 | 93 | 96 |