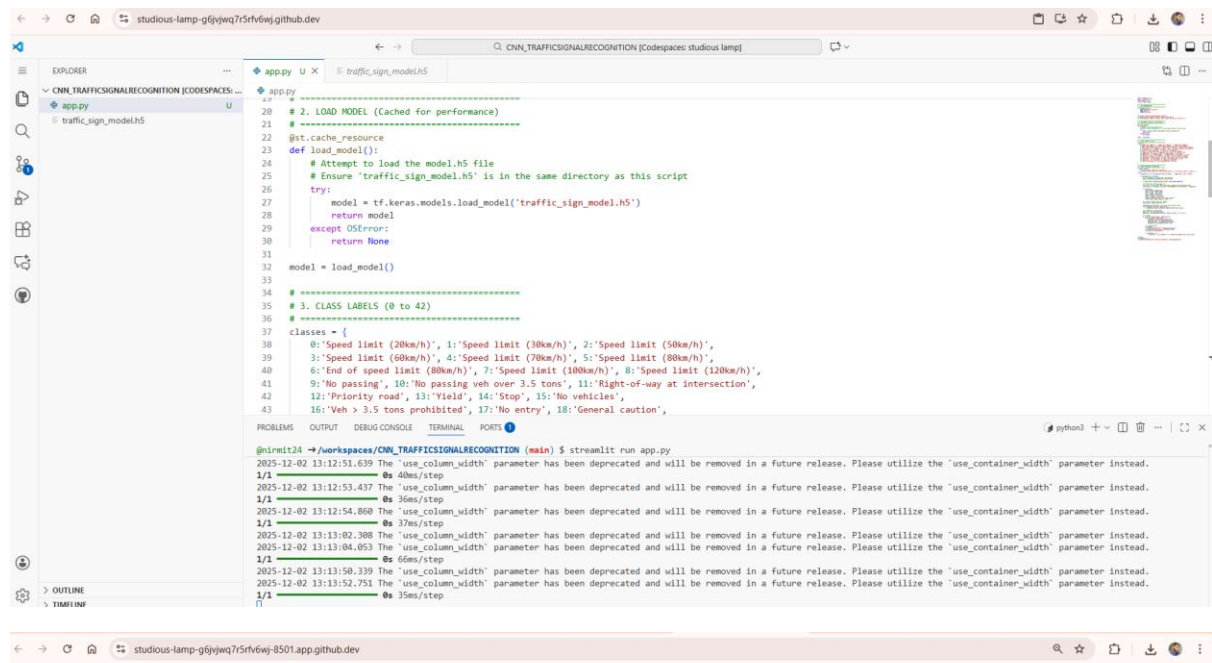


Result.



```
20 # 2. LOAD MODEL (cached for performance)
21 # =====
22 @st.cache_resource
23 def load_model():
24     # Attempt to load the model.h5 file
25     # Ensure 'traffic_sign_model.h5' is in the same directory as this script
26     try:
27         model = tf.keras.models.load_model('traffic_sign_model.h5')
28     except OSError:
29         return None
30     return model
31
32 model = load_model()
33
34 # =====
35 # 3. CLASS LABELS (0 to 42)
36 # =====
37 classes = {
38     0: 'Speed limit (20km/h)', 1: 'Speed limit (30km/h)', 2: 'Speed limit (50km/h)',
39     3: 'Speed limit (60km/h)', 4: 'Speed limit (70km/h)', 5: 'Speed limit (80km/h)',
40     6: 'End of speed limit (80km/h)', 7: 'Speed limit (100km/h)', 8: 'Speed limit (120km/h)',
41     9: 'No passing', 10: 'No passing veh over 3.5 tons', 11: 'Right-of-way at intersection',
42     12: 'Priority road', 13: 'Yield', 14: 'Stop', 15: 'No vehicles',
43     16: 'Veh > 3.5 tons prohibited', 17: 'No entry', 18: 'General caution',
44 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
@nimit24 → /workspaces/CNN_TRAFFIC_SIGNAL_RECOGNITION (main) $ streamlit run app.py
2025-12-02 13:12:51.639 The 'use_column_width' parameter has been deprecated and will be removed in a future release. Please utilize the 'use_container_width' parameter instead.
1/1 ----- 0s 40ms/step
2025-12-02 13:12:53.437 The 'use_column_width' parameter has been deprecated and will be removed in a future release. Please utilize the 'use_container_width' parameter instead.
1/1 ----- 0s 36ms/step
2025-12-02 13:12:54.860 The 'use_column_width' parameter has been deprecated and will be removed in a future release. Please utilize the 'use_container_width' parameter instead.
1/1 ----- 0s 37ms/step
2025-12-02 13:13:02.308 The 'use_column_width' parameter has been deprecated and will be removed in a future release. Please utilize the 'use_container_width' parameter instead.
2025-12-02 13:13:04.053 The 'use_column_width' parameter has been deprecated and will be removed in a future release. Please utilize the 'use_container_width' parameter instead.
1/1 ----- 0s 60ms/step
2025-12-02 13:13:50.339 The 'use_column_width' parameter has been deprecated and will be removed in a future release. Please utilize the 'use_container_width' parameter instead.
2025-12-02 13:13:52.751 The 'use_column_width' parameter has been deprecated and will be removed in a future release. Please utilize the 'use_container_width' parameter instead.
1/1 ----- 0s 35ms/step
```

