

Result.

Screenshot of a Jupyter Notebook interface showing the code for traffic sign recognition:

```

# 2. LOAD MODE (Cached for performance)
# !st.cache(resource_type='model')
def load_model():
    # Attempt to load the model.h5 file
    # Ensure 'traffic_sign_model.h5' is in the same directory as this script
    try:
        model = tf.keras.models.load_model('traffic_sign_model.h5')
    except OSError:
        return None
    model = load_model()

# 3. CLASS LABELS (0 to 42)
classes = [
    0: 'Speed limit (20km/h)', 1: 'Speed limit (30km/h)', 2: 'Speed limit (50km/h)',  

    3: 'Speed limit (60km/h)', 4: 'Speed limit (70km/h)', 5: 'Speed limit (80km/h)',  

    6: 'End of speed limit (80km/h)', 7: 'Speed limit (100km/h)', 8: 'Speed limit (120km/h)',  

    9: 'No passing', 10: 'No passing veh over 3.5 tons', 11: 'Right-of-way at intersection',  

    12: 'Priority road', 13: 'Yield', 14: 'Stop', 15: 'No vehicles',  

    16: 'Veh > 3.5 tons prohibited', 17: 'No entry', 18: 'General caution',
]

```

Terminal output showing deprecation warnings:

```

@init24 → /workspaces/CNN_TRAFFICSIGNALRECOGNITION (main) $ streamlit run app.py
2025-12-02 13:12:51,639 The 'use_container_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_container_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_container_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_container_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_container_width' parameter has been deprecated and will be removed in a future release. Please utilize the 'use_container_width' parameter instead.
1/1   0s 66ms/step
2025-12-02 13:13:50,339 The 'use_container_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_container_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

```

