

# DigiByte Sentinel-AI – Code Blueprint

DigiByte Sentinel-AI – Code Blueprint

Author: DarekDGB

## 1. sentinel\_ai.py Components

- SentinelModel class: Handles scoring and classification
- API routes: Exposes /sentinel/analyze for external calls
- Normalization functions: Ensures safe numeric ranges

## 2. Model Logic

Risk score computed using weighted sum of normalized metrics. Classification thresholds divide severity into four states.

## 3. Example Usage

```
curl -X POST http://localhost:8000/sentinel/analyze -d JSON metrics.
```

## 4. Notes

This blueprint outlines the structural layout and expected extensions.

## 5. License

MIT License – credits: DarekDGB