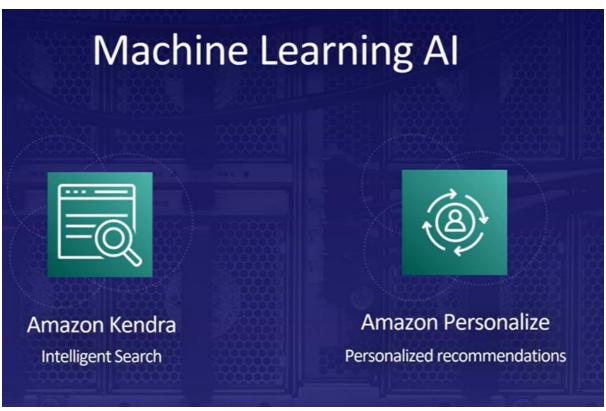
Managing Machine Learning:









Amazon Recognition:

- 1. Object and scene detection
- 2. Image detection
- 3. Facial analysis
- 4. Face comparison
- 5. Test extraction
- 6. Personal protective equipment detection

Driving DeepRacer:

- 1. Creating a model
- 2. Reward function
- 3. Model training

Reward:

```
def reward_function(params):
    track_width = params['track_width']
    distance_from_center = params['distance_from_center']

marker_1 = 0.10 * track_width
marker_2 = 0.25 * track_width
marker_3 = 0.50 * track_width

if distance_from_center <= marker_1:
    reward = 1
elif distance_from_center <= marker_2:
    reward = 0.5
elif distance_from_center <= marker_3:
    reward = 0.1
else:
    reward = 1 = -3 # likely crashed/off track</pre>
```

Amazon CodeGuru:

- Help review code
- Detect critical issues
- Find secure vulnerabilities
- Point out hard-to-find bugs
- 1. CodeGuru Purifier
- 2. CodeGuru Reviewr