

AI Moderation System

5.0 OAS 3.1

[/openapi.json](#)

Hybrid AI + Grad-CAM + LIME + Reliability Monitoring Engine

default



GET / Home



POST /analyze Analyze Image

**Parameters****Cancel****Reset**

Name	Description
------	-------------

upload_type	string (query)
-------------	-------------------

refund

Request body required**multipart/form-data**

file * required

string(\$binary)

<input type="button" value="Choose File"/> 6.png
--

Execute**Clear**

Responses

Curl

```
curl -X 'POST' \
'http://127.0.0.1:8001/analyze?upload_type=refund' \
-H 'accept: application/json' \
-H 'Content-Type: multipart/form-data' \
-F 'file=@6.png;type=image/png'
```

Request URL

http://127.0.0.1:8001/analyze?upload_type=refund

Server response

Code	Details
------	---------

200

Response body

```
{
  "id": "f5b08a47-0beb-40e7-aa22-9b170b49c7ca",
  "decision": "High Risk - Flag for Review",
  "analysis": {
    "prediction": {
      "label": "AI-Generated",
      "ai_probability": 0.9494,
      "real_probability": 0.0506,
      "decision": "High Risk - Flag for Review"
    },
    "inference_time": 0.1183,
    "visualization": {
      "heatmap_path": "D:\\Users\\Lenova\\Desktop\\YukTha\\heatmaps\\69f62d0d-8609-4f84-ad94-d3aa0807068d.png",
      "heatmap_url": "/heatmaps/69f62d0d-8609-4f84-ad94-d3aa0807068d.png"
    }
  }
}
```

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Response headers

content-length: 441
 content-type: application/json
 date: Tue, 17 Feb 2026 18:56:08 GMT
 server: uvicorn

Responses

Code	Description	Links
------	-------------	-------

200

Successful Response

No links

Media type

application/json

Controls Accept header.

Example Value [Schema](#)

"string"

422

Validation Error

No links

Media type

application/json

Example Value [Schema](#)

```
{
  "detail": [
    {
      "loc": [
        "string",
        0
      ],
      "msg": "Validation error: 'string' is required"
    }
  ]
}
```

Code	Description	Links
	<pre> "msg": "string", "type": "string", "input": "string", "ctx": {} }] } </pre>	

GET /explain/{item_id} Explain Image ^

Parameters

Cancel

Name	Description
item_id * required string (path)	f5b08a47-0beb-40e7-aa22-9b170b49c7ca

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
'http://127.0.0.1:8001/explain/f5b08a47-0beb-40e7-aa22-9b170b49c7ca' \
-H 'accept: application/json'
```

Request URL

http://127.0.0.1:8001/explain/f5b08a47-0beb-40e7-aa22-9b170b49c7ca

Server response

Code	Details
------	---------

200

Response body

```

"explainability": {
    "grad_cam": {
        "heatmap_path": "D:\\Users\\Lenova\\Desktop\\YukTha\\heatmaps\\320903e
6-8ff9-4444-b1ae-72fcf9cb69ed.png",
        "heatmap_url": "/heatmaps/320903e6-8ff9-4444-b1ae-72fcf9cb69ed.png"
    },
    "lime": {

```

Code

```

},
"agreement_score": 0,
"explanation_confidence": 0.557,
"reliability": {
  "score": 0.4583,
  "factors": {
    "model_certainty": 0.8988,
    "explanation_strength": 0.0443,
    "agreement": 0
  }
},
"summary": "The system classified this image as AI-Generated with probability 0.9494. Grad-CAM and LIME show consistent activation patterns. Agreement score: 0.00. Overall reliability: 0.46."

```

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Response headers

content-length: 926
 content-type: application/json
 date: Tue, 17 Feb 2026 18:56:31 GMT
 server: uvicorn

Responses

Code	Description	Links
200	Successful Response	No links

Media type

application/json

Controls Accept header.

Example Value Schema`"string"`

422	Validation Error	No links
-----	------------------	----------

Media type

application/json**Example Value** Schema

```
{
  "detail": [
    {
      "loc": [
        "string",
        0
      ],
      "msg": "string",
      "type": "string",
      "input": "string",
      "ctx": {}
    }
  ]
}
```

GET /review-queue Get Review Queue

Parameters[Cancel](#)

No parameters

[Execute](#)[Clear](#)**Responses****Curl**

```
curl -X 'GET' \
  'http://127.0.0.1:8001/review-queue' \
  -H 'accept: application/json'
```

Request URL

<http://127.0.0.1:8001/review-queue>

Server response**Code****Details**

200

Response body

```
{
  "f5b08a47-0beb-40e7-aa22-9b170b49c7ca": {
    "file_name": "6.png",
    "risk_level": "High Risk - Flag for Review",
    "status": "approved",
    "created_at": "2026-02-17T18:56:10.609212",
    "reviewed_at": "2026-02-17T18:56:59.555828"
  }
}
```

[Download](#)**Response headers**

content-length: 210
 content-type: application/json
 date: Tue, 17 Feb 2026 18:57:06 GMT
 server: uvicorn

Responses**Code****Description****Links**

200

Successful Response*No links*

Media type

[application/json](#)

Controls Accept header.

Example Value **Schema**`"string"`

Code	Description	Links
POST	/approve/{item_id} Approve Item	^
Parameters		
Cancel		
Name	Description	
item_id <small>* required</small>	string (path)	f5b08a47-0beb-40e7-aa22-9b170b49c7ca
Execute		Clear
Responses		
Curl <pre>curl -X 'POST' \ 'http://127.0.0.1:8001/approve/f5b08a47-0beb-40e7-aa22-9b170b49c7ca' \ -H 'accept: application/json' \ -d ''</pre>		
Request URL http://127.0.0.1:8001/approve/f5b08a47-0beb-40e7-aa22-9b170b49c7ca		
Server response		
Code	Details	
200	Response body <pre>{ "message": "Item approved successfully", "item_id": "f5b08a47-0beb-40e7-aa22-9b170b49c7ca" }</pre>	Download
Response headers <pre>content-length: 89 content-type: application/json date: Tue, 17 Feb 2026 18:56:59 GMT server: uvicorn</pre>		
Responses		
Code	Description	Links
200	Successful Response	No links

Code	Description	Links
	<p>Media type</p> <div style="border: 2px solid #ccc; padding: 2px; display: inline-block;">application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"><code>"string"</code></div>	
422	<p>Validation Error</p> <p>Media type</p> <div style="border: 2px solid #ccc; padding: 2px; display: inline-block;">application/json</div> <p>Example Value Schema</p> <pre>{ "detail": [{ "loc": ["string", 0], "msg": "string", "type": "string", "input": "string", "ctx": {} }] }</pre>	No links
POST	/reject/{item_id} Reject Item	▼
GET	/review-history Get Review History	▲
<p>Parameters</p> <p>No parameters</p> <div style="border: 1px solid #ccc; width: 100%; height: 40px; margin-top: 10px;"></div>		Cancel
<div style="border: 1px solid #ccc; padding: 5px; margin-right: 10px; display: inline-block;">Execute</div> <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">Clear</div>		
<p>Responses</p>		
<p>Curl</p> <pre>curl -X 'GET' \ 'http://127.0.0.1:8001/review-history' \ -H 'accept: application/json'</pre>		

Request URL

<http://127.0.0.1:8001/review-history>

Server response

Code	Details
------	---------

200

Response body

```
{  
    "f5b08a47-0beb-40e7-aa22-9b170b49c7ca": {  
        "file_name": "6.png",  
        "risk_level": "High Risk - Flag for Review",  
        "status": "approved",  
        "created_at": "2026-02-17T18:56:10.609212",  
        "reviewed_at": "2026-02-17T18:56:59.555828"  
    }  
}
```

[Download](#)

Response headers

```
content-length: 210  
content-type: application/json  
date: Tue, 17 Feb 2026 18:57:20 GMT  
server: uvicorn
```

Responses

Code	Description	Links
------	-------------	-------

200

Successful Response

No links

Media type

application/json

Controls Accept header.

Example Value Schema

"string"

GET /api/v1/performance Performance ^

Parameters

[Cancel](#)

No parameters

[Execute](#)

[Clear](#)

Responses

Curl

```
curl -X 'GET' \
'http://127.0.0.1:8001/api/v1/performance' \
-H 'accept: application/json'
```

Request URL

<http://127.0.0.1:8001/api/v1/performance>

Server response**Code** **Details**

200

Response body

```
{
  "requests_processed": 1,
  "average_ai_probability": 0.9494,
  "average_inference_time": 0.1183,
  "model_drift": {
    "baseline_ai_avg": 0.65,
    "current_ai_avg": 0.9494,
    "drift_score": 0.2994,
    "threshold": 0.15,
    "status": "Drift Detected"
  }
}
```

[Download](#)**Response headers**

content-length: 215
 content-type: application/json
 date: Tue, 17 Feb 2026 18:57:32 GMT
 server: uvicorn

Responses**Code** **Description****Links**

200

Successful Response*No links*

Media type

application/json

Controls Accept header.

Example Value Schema`"string"`**Schemas**

Body_analyze_image_analyze_post > Expand all **object**

HTTPValidationError > Expand all **object**

ValidationError > Expand all **object**