

AI Moderation System

5.0OAS 3.1

/openapi.json

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

default

GET / Home

POST /analyze Analyze Image

Parameters

CancelReset

Name	Description
upload_type string (query)	<input type="text" value="refund"/>

Request body required

multipart/form-data

file * required

string(\$binary)

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	<div><div>Response body</div><div><pre>{ "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" } } }</pre></div><div>Download</div></div> <div><div>Response headers</div><div><pre>content-length: 441 content-type: application/json date: Tue, 17 Feb 2026 18:56:08 GMT server: unicorn</pre></div></div>

Responses

Code	Description	Links
200	<div>Successful Response</div> <div><div>Media type</div><div>application/json</div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div><div>"string"</div></div></div> <div>No links</div>	
422	<div>Validation Error</div> <div><div>Media type</div><div>application/json</div><div><div>Example Value</div><div>Schema</div><div><pre>{ "detail": [{ "loc": ["string", 0] }] }</pre></div></div></div> <div>No links</div>	

Code

Description

Links

```
"msg": "string",
"type": "string",
"input": "string",
"ctx": {}
}
]
```

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\\320903e6-8ff9-4444-b1ae-72fcf9cb69ed.png",
"heatmap_url": "/heatmaps/320903e6-8ff9-4444-b1ae-72fcf9cb69ed.png"
},
"lime": {

127.0.0.1:8001/docs#/default/performance_api_v1_performance_get

3/10

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."
```

Download

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": {} }] }	



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	<div><div>Response body</div><div><pre>{ "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" } }</pre></div><div>Download</div></div> <div><div>Response headers</div><div><pre>content-length: 210 content-type: application/json date: Tue, 17 Feb 2026 18:57:06 GMT server: uvicorn</pre></div></div>

Responses

Code	Description	Links
200	<div>Successful Response</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div>"string"</div>	No links

Code

Description

Links

POST

/approve/{item_id} Approve Item

^

Parameters

Cancel

Name

Description

item_id * required

string
(path)

f5b08a47-0beb-40e7-aa22-9b170b49c7ca

Execute

Clear

Responses

Curl

curl -X 'POST' \
 'http://127.0.0.1:8001/approve/f5b08a47-0beb-40e7-aa22-9b170b49c7ca' \
 -H 'accept: application/json' \
 -d ''

Request URL

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

Server response

Code

Details

200

Response body

{
 "message": "Item approved successfully",
 "item_id": "f5b08a47-0beb-40e7-aa22-9b170b49c7ca"
}

Download

Response headers

content-length: 89
content-type: application/json
date: Tue,17 Feb 2026 18:56:59 GMT
server: uvicorn

Responses

Code

Description

Links

200

Successful Response

No links

127.0.0.1:8001/docs#/default/performance_api_v1_performance_get

6/10

Code

Description

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": {}
    }
  ]
}
```

POST

/reject/{item_id} Reject Item

⌵

GET

/review-history Get Review History

⌴

Parameters

Cancel

No parameters

Execute

Clear

Responses

Curl

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

Request URL

http://127.0.0.1:8001/review-history

Server response

Code	Details
200	<div><div>Response body</div><div><pre>{ "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" }}</pre></div><div>Download</div></div> <div><div>Response headers</div><div><pre>content-length: 210content-type: application/jsondate: Tue, 17 Feb 2026 18:57:20 GMTserver: uvicorn</pre></div></div>

Responses

Code	Description	Links
200	<div>Successful Response</div> <div>Media type<div>application/json</div>Controls Accept header.</div> <div>Example ValueSchema<div>"string"</div></div>	No links

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	<div><div>Response body</div><div><pre>{ "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" } }</pre></div><div>Download</div></div> <div><div>Response headers</div><div><pre>content-length: 215 content-type: application/json date: Tue, 17 Feb 2026 18:57:32 GMT server: uvicorn</pre></div></div>

Responses

Code	Description	Links
200	<div>Successful Response</div> <div>Media type</div> <div><div>application/json</div></div> <div>Controls Accept header.</div> <div><div>Example Value</div><div>Schema</div></div> <div>"string"</div>	No links

Schemas

^

Body_analyze_image_analyze_post > Expand all object

HTTPValidationError > Expand all **object**

ValidationError > Expand all **object**