

Payroll Anomaly Detection API

1.0 OAS 3.1

[/openapi.json](#)

Real-time payroll anomaly detection using Isolation Forest

default ^

POST /predict Predict Anomaly

Parameters

[Cancel](#)

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

base_pay * required
number
(query)

overtime_pay * required
number
(query)

total_pay * required
number
(query)

[Execute](#)[Clear](#)

Responses

Curl

```
curl -X 'POST' \
'http://127.0.0.1:8000/predict?base_pay=100000&overtime_pay=200000&total_pay=300000' \
-H 'accept: application/json' \
-d ''
```

Request URL

http://127.0.0.1:8000/predict?base_pay=100000&overtime_pay=200000&total_pay=300000

Server response

Code	Details	
200	<p>Response body</p> <pre>{ "anomaly_flag": 1, "anomaly_score": -0.132580285935484, "risk_level": "HIGH RISK" }</pre> <p>Response headers</p> <pre>content-length: 78 content-type: application/json date: Fri, 02 Jan 2026 07:53:15 GMT server: uvicorn</pre>	Download
Responses		
Code	Description	Links
200	<p>Successful Response</p> <p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;"> application/json </div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>"string"</pre>	No links
422	<p>Validation Error</p> <p>Media type</p> <div style="border: 2px solid black; padding: 2px; display: inline-block;"> application/json </div> <p>Example Value Schema</p> <pre>{ "detail": [{ "loc": ["string", 0], "msg": "string", "type": "string" }] }</pre>	No links
GET / Root		▼

Schemas



HTTPValidationError > Expand all **object**

ValidationError > Expand all **object**