

# 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)

80000

**overtime\_pay** \* required

number

(query)

5000

**total\_pay** \* required

number

(query)

85000

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

### Responses

#### Curl

```
curl -X 'POST' \
  'http://127.0.0.1:8000/predict?base_pay=80000&overtime_pay=5000&total_pay=85000' \
  -H 'accept: application/json' \
  -d ''
```

#### Request URL

[http://127.0.0.1:8000/predict?base\\_pay=80000&overtime\\_pay=5000&total\\_pay=85000](http://127.0.0.1:8000/predict?base_pay=80000&overtime_pay=5000&total_pay=85000)

#### Server response

| Code | Details   |
|------|---|
| 200  | <div><div>Response body</div><div><pre>{  "anomaly_flag": 0,  "anomaly_score": 0.22976364852312947,  "risk_level": "NORMAL"}</pre></div><div>Download</div></div> <div><div>Response headers</div><div><pre>content-length: 76  content-type: application/json  date: Fri,02 Jan 2026 08:00:16 GMT  server: 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 Value Schema<div>"string"</div></div>  | No links |
| 422  | <div>Validation Error</div> <div>Media type<div>application/json</div></div> <div>Example Value Schema<div><pre>{  "detail": [    {      "loc": [        "string",        0      ],      "msg": "string",      "type": "string"    }  ]}</pre></div></div> | No links |

GET / Root



Schemas



**HTTPValidationError** > Expand all **object**

**ValidationError** > Expand all **object**