

# API Deployment Guide

## Step 1: Install dependencies

```
pip install fastapi uvicorn joblib scikit-learn numpy
```

## Step 2: Start the FastAPI server

Open --- anaconda prompt -- cd Copy path\Folder Name

```
uvicorn app:app --reload
```

This will start the server locally at:

INFO: Uvicorn running on <http://127.0.0.1:8000>

Open above link in Browser

Request body required

application/json

```
{  
    "features": [[17155,  
    0.0,  
    53.34201,  
  
    52.82118,43.402774810790994,202.526031494141,49.79289,3.219039,16.89091,16.86921,15.08247,35.53085,3.625588,1.602259,0.2370912,407.4979,570.8168,1161.131,783.6125,710.6481,960.9374,742.2943,566.6204,261.77  
    09,399.1291,301.1411,114.2079,52.08333,35.41666,87.23958,39.58333,36.97916,  
    50.78125,50.92593,51.21528,50.63657,46.00694,409.1435,121.5278,  
    401.9097,324.6528,  
    21,  
    3,  
    303.44424295107706,  
    320.57519567698836,  
    0.0,  
    1161.131  
    ]]  
}
```

Responses

Curl

```
curl -X 'POST' '\  
http://127.0.0.1:8000/predict' \  
-H 'accept: application/json' \  
-H 'Content-Type: application/json' \  
-d '{  
    "features": [[17155,  
    0.0,  
    53.34201,  
    52.82118,43.402774810790994,202.526031494141,49.79289,3.219039,16.89091,16.86921,15.08247,35.53085,3.625588,1.602259,0.2370912,407.4979,570.8168,1161.131,783.6125,710.6481,960.9374,742.2943,566.6204,261.77  
    09,399.1291,301.1411,114.2079,52.08333,35.41666,87.23958,39.58333,36.97916,  
    50.78125,50.92593,51.21528,50.63657,46.00694,409.1435,121.5278,  
    401.9097,324.6528,  
    21,  
    3,  
    303.44424295107706,  
    320.57519567698836,  
    0.0,  
    1161.131  
    ]]  
}'
```

Request URL

<http://127.0.0.1:8000/predict>

Server response

Code	Details
200	Response body

```
[{"prediction": [  
    "NORMAL"  
]}]
```

Download