This is the production level sample flask application.

This application uses Gunicorn server that wraps the Flask application. This is one of the recommended ways of deploying a Flask app 'in production'. We are using docker for this application for containerization. If we want we can use docker compose as well in build Gunicorn and Flask application independently

Basic requirements:

1. Linux system with 4 core and 8 GB of ram. In case if we are using cloud then spin up new Linux based instance.
2. Install docker on Linux (<https://docs.docker.com/engine/install/ubuntu>)
3. Install Git.

As we are talking about production, we can add Load balancer and auto scaling as well to handle traffic.

Steps to follow to deploy and run application.

1. Take clone of application code from git (git clone <https://github.com/dhananjaychaudhari26/flask-api.git>)
2. Build docker image (docker build . -t flask-app)
3. Run docker container (docker run -d -p 8080:8080 flask-app)
4. Now open <http://instance_public_ip:8080>

Request and response object:

URL: https://instance\_public\_ip:8080/getEmbedding

Request:

{"sentence":"this is sample sentence to get 500 dimentions"}

Response:

{"message":"Success","data":[0.01,0.1,\_ \_ \_ ]}