



DEPLOYMENT OF MICROSERVICE

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DESCRIPTION OF INPUTS & OUTPUTS

I have deployed a microservice which contains the model of *News Category Classifier* on the Cloud-Run instance of Google Cloud Platform (GCP) with a backend URL generated to be used as an API by different vendors to send in information and receive results from it.

- **Input** - There are 2 inputs to be fed to this microservice as parameters in JSON format. The names of these input data are :
 - **Headline** - It signifies the headline of the news whose category is to be predicted.
 - **shortDescription** - It signifies a short description of the news whose category is to be predicted.
- **Output** – The result which is provided back as output via API is **Predicted News Category**.

SPECIFIC EXAMPLE OF INPUTS & OUTPUTS

The screenshot displays a REST client interface with a POST request to the URL `https://classify-article-i742jjisuq-uc.a.run.app/classify`. The request body is a JSON object with the following structure:

```

{
  "headline": "A Swirling Vortex Is No Match for This Deep-Sea Sponge",
  "shortDescription": "A new paper finds a glass sponge has the power to eliminate destructive vortices that are created when fluid moves around a blunt object."
}

```

The response is a 200 OK status with a response time of 21.61 s and a body size of 403 B. The response body is a JSON object:

```

{
  "predictedClass": "HEALTHY LIVING"
}

```

CURL Request -

```

curl --location --request POST 'https://classify-article-7gosystgxq-uc.a.run.app/classify' \
--header 'Content-Type: application/json' \
--data-raw '{
  "headline": "A Swirling Vortex Is No Match for This Deep-Sea Sponge",
  "shortDescription": "A new paper finds a glass sponge has the power to eliminate
destructive vortices that are created when fluid moves around a blunt object."
}'

```

URL OF THE SERVICE

<https://classify-article-i742jjsuq-uc.a.run.app/classify>