

## response

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To: CodeSpeedy Technology Pvt Ltd <contact@codespeedy.com>

Tue, Aug 20, 2024 at 5:46 PM

Hello sir/mam,

I am Raman Kumar Manjhi, as we talked about before, I have been assigned a sample task of creating a web application and API using Flask.

I have completed the task and both applications are deployed on the PythonAnywhere deployment website(free version: as it is a free version to deploy two applications I have used two different accounts):

**Website:** <https://mrrkmanjhi.pythonanywhere.com/>

**API:** <https://websitecompany.pythonanywhere.com/>

I have also attached the source code of both applications along with this email.

### Description:

#### API:

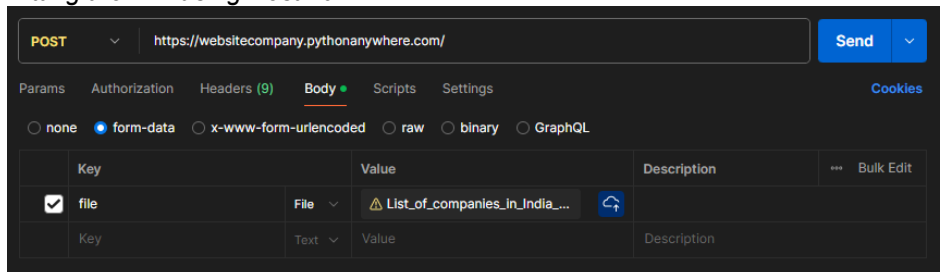
I have created an API using Flask framework that accepts a file as multipart/form-data from the user and returns JSON data that contains a link to download the updated CSV file along with dictionary data that includes the columns of the CSV file and the rows of the file.

It adds the company websites column on the CSV file with the name "*company\_website*"

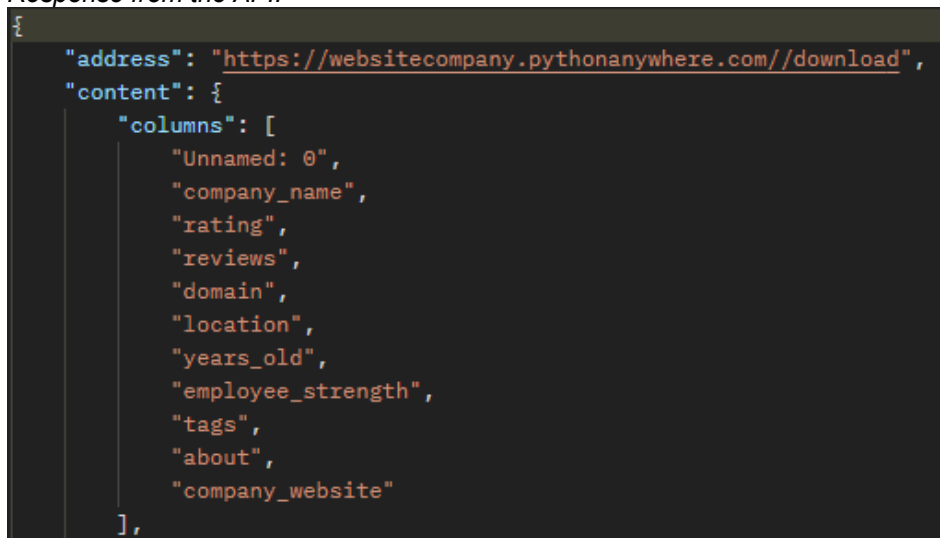
There are different checks also implemented on the API:

1. No File Selected: It will return a no file selected error
2. Wrong key: The key must be "file"
3. Wrong File Format: It only Accepts CSV files
4. Corrupted File: It checks whether the file is readable or not
5. Column Name Check: The Company Name Column must be "*company\_name*"
6. Maximum Allowed File Size: 10MB

### Hitting the API using Postman:



### Response from the API:



```
"data": [
  [
    0,
    "TCS",
    3.9,
    "16.1k",
    "Public",
    "Mumbai + 156 more",
    "52 years old",
    "10000+ employees",
    "Consulting, IT/ITES, MNC, Fortune500",
    "Tata Consultancy Services is an IT services, consulting and business solutions organisation that has been partnering with the world's largest businesses in their transformation journeys for the last 50 years. \n\nA part of the Tata group, India's largest multinational business group, TCS has over 436,000 of the world's best-trained consultants in 46 countries. The company is listed on the BSE (formerly Bombay Stock
```

### WebApplication:

I have also created a simple web application using Flask, HTML, and Jinja. The web application accepts file uploads from the user and returns a download link of the updated CSV file using the deployed API. It also displays the errors if occurred.

*Home Page of the Web Application:*

## Get the company websites

Upload a csv file

No file chosen

Note: The Company Name Column must be "company\_name" in the csv file.

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*Response Page of the Web Application:*

## Get Updated Company Data

Your file is ready to download

Download Your Updated file

[Download](#)

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[Go to Home](#)

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Regards

Raman Kumar Manjhi

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### 2 attachments

 **Codespeedy\_task\_api.rar**  
2K

 **Codespeedy\_task\_WebApplication\_app.rar**  
2K