

A major project presentation
on
SCRAPE YOUR NEED

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WHAT IS WEB SCRAPPING ?



Web scraping is an automated method used to extract large amounts of data from websites. The data on the websites are unstructured. Web scraping helps collect these unstructured data and store it in a structured form.

WHY WEB SCRAPPING ?

Web scraping is used to collect large information from websites. But why does someone have to collect such large data from websites? To know about this, let's look at the applications of web scraping:

- **Price Comparison**
- **Email address gathering**
- **Social Media Scraping**
- **Research and Development**
- **Job listings**

SCRAPE YOUR NEED

“**Scrape Your Need**” is a web scraper that is able to access and extract information of Housing, Education and Job at various locations from websites using a standalone application as an

interface for user interaction. The extracted details are then stored in a csv file, as the standalone application allows the user to search through and query the saved findings.



WHY PYTHON FOR WEB SCRAPING?

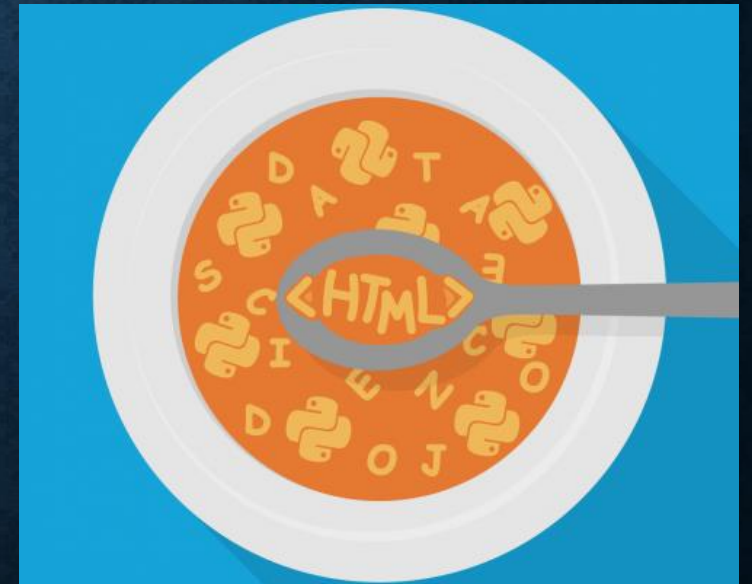
You've probably heard of how awesome Python is. But, so are other languages too. Then why should we choose Python over other languages for web scraping?

Here is the list of features of Python which makes it more suitable for web scraping.


- **Ease of Use**
- **Large Collection of Libraries**
- **Dynamically typed**
- **Easily Understandable Syntax**
- **Small code, large task**

✓ Python Modules

- **Tkinter** : GUI(Graphical User Interface) Package
- **BeautifulSoup** : is a Python library for pulling data out of HTML and XML files.
- **Request** : for making HTTP requests in Python.
- **CSV** : to handle CSV files.



Scrape Your Need



SCRAPE
YOUR
NEED

a python scrapper


Housing

Job

Education

About Us

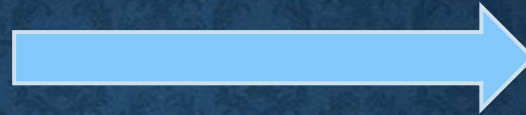
Quit



About Web Scrapping ~ concept used in SCRAPE YOUR NEED

Web scraping, web harvesting, or web data extraction is data scraping used for extracting data from websites. Web scrapping is the process of automatically mining data or collecting information from the World wide Web.

It is the field of active developments sharing a common goal with the semantic web vision, an ambitious initiative that still requires breakthroughs in text processing, semantic understanding, artificial intelligence and human-computer interactions.



Scrape Your Needs [Housing]



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NEED

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Location

Delhi

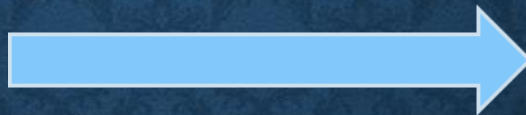
For

Rent


Find

Scrape Your Residential Needs

@Copyright Anonymous



Scrape Your Needs [Job]



SCRAPE
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NEED

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Location

Bengluru

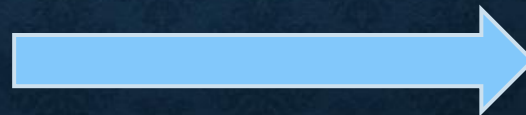
Type

Government

Find

Scrape Your Professional Needs

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Scrape Your Needs [Education]



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NEED

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Location

Hyderabad

For

College

Find

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Scrape Your Needs [Housing]

 SCRAPE YOUR NEED

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Location

For

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Scrape Your Need

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Title	Location	Price	Detail
1 room set builder floor in saket	Saket, Delhi	₹ 8,500	1 Bds - 1 Ba - 200 ft2
1bhk builder floor in saket	Saket, Delhi	₹ 8,000	1 Bds - 1 Ba - 510 ft2
1 bhk builder floor in saket	Saket, Delhi	₹ 10,000	1 Bds - 1 Ba - 500 ft2
1 BEDROOM FULLY FURNISHED	Saket, Delhi	₹ 52,500	1 Bds - 1 Ba - 450 ft2

Scrape Your Needs [Job]

 SCRAPE YOUR NEED

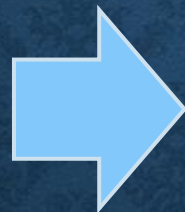
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Location

Type

Scrape Your Professional Needs

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Scrape Your Need

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Job Title	Organization	Posted	Description	Location
Sr. SEO Executive	Turbolab Technologies Private Limi	4 days ago	We are looking for a person to own a	Kochi, Kerala
Content Writer Job in Kochi	SpiderWorks technologies Pvt Ltd	2 days ago	SpiderWorks Technologies Pvt Ltd, a	Kochi, Kerala
Associate IT Helpdesk	Sutherland	30+ days ago	If you are looking to build a fulfilling	Kochi, Kerala
Online Tutor - Women Candidates O	Whitehat Education Technology Pvt.	30+ days ago	WhiteHat Jr provides curriculum and	Kochi, Kerala

Scrape Your Needs [Education]

JOB

SCRAPE
YOUR
NEED

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Location

Hyderabad

For

College

Find

Scrape Your Educational Needs

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Go Online			
College	Location	Course	Degree
International Institute of Information	Hyderabad,Telangana	Bachelor of Technology in Computer Science & Engine	Degree:PG
University College of Engineering Os	Hyderabad,Telangana	B.Tech in Chemical Engineering	Degree:UG
Indian Institute of Technology (IIT), I	Hyderabad,Telangana	Bachelor of Technology in Computer Science & Engine	Degree:UG
Jawaharlal Nehru Technological Univ	Hyderabad,Telangana	M.Tech in Biotechnology	Degree:PG

CONCLUSION

Needs like Housing, education and Jobs displayed by different websites can only be viewed using a web browser. Scrape Your Need is the Standalone Application of automating this process that is, it scraps these needs from different websites and present it on the single platform which saves time and increase the opportunities for an individual.

FUTURE SCOPE

- ❑ Collect more data from different websites
- ❑ May increase the categories
- ❑ Create datasets and perform analysis

REFERENCES

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THANK YOU