

company-webscrapping-1

November 26, 2024

```
[85]: import numpy as np
import pandas as pd
import requests
from bs4 import BeautifulSoup
import time
from datetime import timedelta
```

```
[86]: requests.get("https://www.vcsdata.com/companies-hyderabad.html")
```

```
[86]: <Response [406]>
```

```
[87]: requests.get("https://www.vcsdata.com/companies-hyderabad.html").text
```

```
[87]: '<head><title>Not Acceptable!</title></head><body><h1>Not Acceptable!</h1><p>An
appropriate representation of the requested resource could not be found on this
server. This error was generated by Mod_Security.</p></body></html>'
```

```
[88]: header = {
    'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36_
    ↪(KHTML, like Gecko) Chrome/58.0.3029.110 Safari/537.3'
}
```

```
[89]: response = requests.get("https://www.vcsdata.com/companies-hyderabad.html",_
    ↪headers=header)
```

```
[90]: response.text[0:500]
```

```
[90]: '<!doctype html>\n<html lang="en">\n<head>\n<meta http-equiv="Content-Type"
content="text/html; charset=utf-8">\n<meta name=\'viewport\'
content=\'width=device-width, initial-scale=1.0\'>\n<meta http-equiv="cache-
control" CONTENT="no-cache">\n<meta http-equiv="X-UA-Compatible"
content="IE=edge">\n<title>Hyderabad Companies - List of Companies in
Hyderabad</title>\n<meta content="View List of Companies in Hyderabad - Get
HyderabadÊ companies contact details, turnover, address - Hyderabad Companies"
name="desc"
```

```
[91]: soup = BeautifulSoup(response.text, 'lxml')
```

```
[92]: first_company_card = soup.find("div", class_="d-block w-100")
```

```
[93]: print(first_company_card.prettify())
```

```
<div class="d-block w-100">
  <div class="innertitle">
    <a class="text-darker" href="https://www.vcsdata.com/company/the-deccan-
packaging-systems-and-needs/118888.html" target="_blank">
      <h3 class="font-weight-semibold mt-1 mb-1" itemprop="name">
        The Deccan Packaging Systems and Needs
      </h3>
    </a>
  </div>
  <div class="text-justify">
    <span itemprop="description">
      We are pleased to Introduce our self as one of the leading manufacturers and
      Exporter of wide range of Automatic Form Fill and Seal Machine under the Brand
      name 'SetPac', since 1999 with most advanced features in packing technology for
      various products like Free Flowing liquids / viscous products in pillow type
      flexible pouches. We have supplied machines to major clients across India and
      globe.
    </span>
  </div>
  <div>
    <div class="item-card2 row">
      <div class="col-md-12 mb-2 mt-2" itemprop="address" itemscope=""
itemtype="http://schema.org/PostalAddress">
        <span itemprop="streetAddress">
          Address : Plot no 61,PhaseIV, IDA Cherlapally
        </span>
      </div>
      <div class="col-md-6">
        <span itemprop="addressLocality">
          Hyderabad
        </span>
      </div>
      <div class="col-md-6">
        <span itemprop="postalCode">
          500051
        </span>
      </div>
      <div class="col-md-6">
        <span itemprop="addressCountry">
          India
        </span>
      </div>
      <div class="col-md-6">
        Industry : Industrial Plants & Machinery
      </div>
    </div>
  </div>
</div>
```

```

        </div>
    </div>
</div>
</div>

```

```
[94]: first_company_card.find("h3")
```

```
[94]: <h3 class="font-weight-semibold mt-1 mb-1" itemprop="name">The Deccan Packaging
      Systems and Needs
      </h3>
```

```
[95]: first_company_card.find("h3").text.strip()
```

```
[95]: 'The Deccan Packaging Systems and Needs'
```

```
[96]: address_div = soup.find("div", class_="col-md-6")
```

```
[97]: print(address_div.prettify())
```

```

<div class="col-md-6">
  <span itemprop="addressLocality">
    Hyderabad
  </span>
  -
  <span itemprop="postalCode">
    500051
  </span>
  -
  <span itemprop="addressCountry">
    India
  </span>
</div>

```

```
[98]: city = address_div.find("span", itemprop="addressLocality").text.strip()
      postal_code = address_div.find("span", itemprop="postalCode").text.strip()
      country = address_div.find("span", itemprop="addressCountry").text.strip()
      city,postal_code,country
```

```
[98]: ('Hyderabad', '500051', 'India')
```

```
[99]: main_add = soup.find("span", itemprop="streetAddress").text.strip()
      main_add
```

```
[99]: 'Address : Plot no 61,PhaseIV, IDA Cherlapally'
```

```
[100]: divs = soup.find_all("div", class_="col-md-6")
industry = divs[1].text.strip()
industry
```

```
[100]: 'Industry : Industrial Plants & Machinery'
```

```
[101]: company_cards = soup.find_all("div", class_="d-block w-100")
len(company_cards)
```

```
[101]: 15
```

```
[102]: details= soup.find_all("div", class_="col-md-6")
len(details)
```

```
[102]: 30
```

```
[106]: url = "https://www.vcsdata.com/companies-hyderabad.php?page=1&city=Hyderabad".
        ↪format(page)
header = {"User-Agent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/
        ↪537.36 (KHTML, like Gecko) Chrome/80.0.3987.163 Safari/537.36"}

response = requests.get(url, headers=header)

soup = BeautifulSoup(response.text, 'lxml')

company_cards = soup.find_all("div", class_="d-block w-100")
name=[]
city=[]
pcode=[]
country=[]
address=[]
industry=[]
for card in company_cards:

    name.append(card.find("h3").text.strip())
    industries = divs[1].text.strip()
    industry.append(industries)
    address.append(card.find("span", itemprop="streetAddress").text.strip())
for detail in details:

    span = detail.find("span", itemprop="addressLocality")
    if span:
        city.append(span.text.strip())
```

```

span1=detail.find("span", itemprop="postalCode")
if span1:
    pcode.append(span1.text.strip())
span2=detail.find("span", itemprop="addressCountry")
if span2:
    country.append(span2.text.strip())
df=pd.DataFrame({
    "Company name":name,
    "City":city,
    "Postal code":pcode,
    "Address":address,
    "Industry":industry,
    "Country":country,
})

```

```

[107]: df=pd.DataFrame({
    "Company name":name,
    "City":city,
    "Postal code":pcode,
    "Address":address,
    "Industry":industry,
    "Country":country,
})

```

```

[108]: df

```

```

[108]:

```

	Company name	City	Postal code	\
0	The Deccan Packaging Systems and Needs	Hyderabad	500051	
1	Srivelmurugantransportco	Hyderabad	500070	
2	SNC Consultancy Services	Hyderabad	500050	
3	Best eye hospital in Hyderabad lasik service s...	Hyderabad	500035	
4	Zx Academy	Hyderabad	500060	
5	SK Waterproofings	Hyderabad	500018	
6	Velo Packers	Hyderabad	500055	
7	Lilamigosnest kids one stop shop	Hyderabad	500032	
8	Dr Datta Ram U	Hyderabad	500032	
9	Oro Jewels	Hyderabad	500034	
10	Brihaspathi Technologies Pvt. Ltd	Hyderabad	500038	
11	Leo Secure Packers And Movers	Hyderabad	500015	
12	Visualpath IT	Hyderabad	0	
13	cxo club	Hyderabad	500081	
14	Best Dentist In Hyderabad	Hyderabad	500075	


```


```

	Address	\
0	Address : Plot no 61,PhaseIV, IDA Cherlapally	
1	Address : Vijaypuricolony-2 vanastalipuram 5-\...	
2	Address : Deeptisri Nagar, Madinaguda, \r\nMiy...	

3 Address : #11-9-1,vimal complex, Opp, Bus stop...

4 Address : M.N Reddy Complex, Krishna Nagar, Di...

5 Address : 3-1-6, 27/1/6, Rd Number 8, Green Hi...

6 Address : 170, Road No. 2, Bhagya Lakshmi Colo...

7 Address : 2-48-132/P , Telecom Nagar, Gachibow...

8 Address : 45, KIMS-Sunshine Hospitals, 45, 7-5...

9 Address : No. 10, 2nd Floor, above Jevan, 8-2-...

10 Address : #7-1-621/259, V Floor, Sahithi Arcade,

11 Address : House No. 5-1-61/1 dinakar nagar, We...

12 Address : Flat no: 205, 2nd Floor, NILGIRI Blo...

13 Address : T HUB HYD

14 Address : 4th Floor, B- Block, Essen President...

	Industry	Country
0	Industry : Industrial Plants & Machinery	India
1	Industry : Industrial Plants & Machinery	India
2	Industry : Industrial Plants & Machinery	India
3	Industry : Industrial Plants & Machinery	India
4	Industry : Industrial Plants & Machinery	India
5	Industry : Industrial Plants & Machinery	India
6	Industry : Industrial Plants & Machinery	India
7	Industry : Industrial Plants & Machinery	India
8	Industry : Industrial Plants & Machinery	India
9	Industry : Industrial Plants & Machinery	India
10	Industry : Industrial Plants & Machinery	India
11	Industry : Industrial Plants & Machinery	India
12	Industry : Industrial Plants & Machinery	India
13	Industry : Industrial Plants & Machinery	India
14	Industry : Industrial Plants & Machinery	India

```
[132]: print("Lengths of each column:")
print(f"Name: {len(name)}")
print(f"City: {len(city)}")
print(f"Postal Code: {len(postal_code)}")
print(f"Address: {len(address)}")
print(f"Industry: {len(industry)}")
print(f"Country: {len(country)}")
```

Lengths of each column:

Name: 15

City: 15

Postal Code: 15

Address: 15

Industry: 15

Country: 15

```

[127]: import time
import pandas as pd
from bs4 import BeautifulSoup
import requests
from datetime import timedelta
from statistics import mode

start_time = time.time()
dataframe_final = pd.DataFrame()

total_number_of_webpages = 200

for page in range(1, total_number_of_webpages + 1):
    print("Scraping webpage number: {page} of {total}".format(page=page,
    ↪total=total_number_of_webpages))
    loop_time = time.time()
    url = f"https://www.vcsdata.com/companies-hyderabad.php?
    ↪page={page}&city=Hyderabad"
    header = {
        "User-Agent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/
    ↪537.36 (KHTML, like Gecko) Chrome/80.0.3987.163 Safari/537.36"
    }
    response = requests.get(url, headers=header)
    soup = BeautifulSoup(response.text, 'lxml')
    company_cards = soup.find_all("div", class_="d-block w-100")
    name = []
    city = []
    postal_code = []
    country = []
    address = []
    industry = []
    for card in company_cards:
        name.append(card.find("h3").text.strip() if card.find("h3") else "N/A")
        industries = card.find_all("div")[1].text.strip() if len(card.
    ↪find_all("div")) > 1 else "N/A"
        industry.append(industries)
        address.append(card.find("span", itemprop="streetAddress").text.strip()
    ↪if card.find("span", itemprop="streetAddress") else "N/A")
        city.append(card.find("span", itemprop="addressLocality").text.strip()
    ↪if card.find("span", itemprop="addressLocality") else "Hyderabad")
        postal_code.append(card.find("span", itemprop="postalCode").text.
    ↪strip() if card.find("span", itemprop="postalCode") else "000000")
        country.append(card.find("span", itemprop="addressCountry").text.
    ↪strip() if card.find("span", itemprop="addressCountry") else "India")
    col_dic = {
        "Company Name": name,

```

```

        "City": city,
        "Postal Code": postal_code,
        "Address": address,
        "Industry": industry,
        "Country": country
    }
    df = pd.DataFrame(col_dic)
    dataframe_final = pd.concat([dataframe_final, df], ignore_index=True)
    print("Page scraped successfully!")
    print("Time taken:", round((time.time() - loop_time) * 1000, 2), "ms")
    print("Total time elapsed:", str(timedelta(seconds=(time.time() -
↪start_time))))
    print()

valid_postal_codes = [pc for pc in dataframe_final["Postal Code"] if pc !=
↪"000000"]
postal_code_mode = mode(valid_postal_codes) if valid_postal_codes else "000000"
dataframe_final["Postal Code"] = dataframe_final["Postal Code"].
↪replace("000000", postal_code_mode)

end_time = time.time()
print("Full website scraped successfully!")
print("Total time taken:", str(timedelta(seconds=(end_time - start_time))))

```

Scraping webpage number: 1 of 200
 Page scraped successfully!
 Time taken: 2550.23 ms
 Total time elapsed: 0:00:02.552227

Scraping webpage number: 2 of 200
 Page scraped successfully!
 Time taken: 2479.81 ms
 Total time elapsed: 0:00:05.032032

Scraping webpage number: 3 of 200
 Page scraped successfully!
 Time taken: 2419.98 ms
 Total time elapsed: 0:00:07.452008

Scraping webpage number: 4 of 200
 Page scraped successfully!
 Time taken: 2377.47 ms
 Total time elapsed: 0:00:09.829475

Scraping webpage number: 5 of 200
 Page scraped successfully!
 Time taken: 2314.9 ms

Total time elapsed: 0:00:12.144380

Scraping webpage number: 6 of 200
Page scraped successfully!
Time taken: 2331.74 ms
Total time elapsed: 0:00:14.476125

Scraping webpage number: 7 of 200
Page scraped successfully!
Time taken: 2343.74 ms
Total time elapsed: 0:00:16.820863

Scraping webpage number: 8 of 200
Page scraped successfully!
Time taken: 2530.58 ms
Total time elapsed: 0:00:19.351448

Scraping webpage number: 9 of 200
Page scraped successfully!
Time taken: 2361.3 ms
Total time elapsed: 0:00:21.712752

Scraping webpage number: 10 of 200
Page scraped successfully!
Time taken: 2299.82 ms
Total time elapsed: 0:00:24.013580

Scraping webpage number: 11 of 200
Page scraped successfully!
Time taken: 2303.82 ms
Total time elapsed: 0:00:26.317398

Scraping webpage number: 12 of 200
Page scraped successfully!
Time taken: 2288.39 ms
Total time elapsed: 0:00:28.606786

Scraping webpage number: 13 of 200
Page scraped successfully!
Time taken: 2437.71 ms
Total time elapsed: 0:00:31.044497

Scraping webpage number: 14 of 200
Page scraped successfully!
Time taken: 2343.8 ms
Total time elapsed: 0:00:33.388295

Scraping webpage number: 15 of 200

Page scraped successfully!
Time taken: 2523.43 ms
Total time elapsed: 0:00:35.911728

Scraping webpage number: 16 of 200
Page scraped successfully!
Time taken: 2315.14 ms
Total time elapsed: 0:00:38.226865

Scraping webpage number: 17 of 200
Page scraped successfully!
Time taken: 2310.24 ms
Total time elapsed: 0:00:40.537107

Scraping webpage number: 18 of 200
Page scraped successfully!
Time taken: 2420.95 ms
Total time elapsed: 0:00:42.958053

Scraping webpage number: 19 of 200
Page scraped successfully!
Time taken: 2309.59 ms
Total time elapsed: 0:00:45.267646

Scraping webpage number: 20 of 200
Page scraped successfully!
Time taken: 2449.22 ms
Total time elapsed: 0:00:47.716866

Scraping webpage number: 21 of 200
Page scraped successfully!
Time taken: 2579.09 ms
Total time elapsed: 0:00:50.295960

Scraping webpage number: 22 of 200
Page scraped successfully!
Time taken: 2476.26 ms
Total time elapsed: 0:00:52.773227

Scraping webpage number: 23 of 200
Page scraped successfully!
Time taken: 2281.9 ms
Total time elapsed: 0:00:55.055125

Scraping webpage number: 24 of 200
Page scraped successfully!
Time taken: 2322.11 ms
Total time elapsed: 0:00:57.377232

Scraping webpage number: 25 of 200
Page scraped successfully!
Time taken: 2453.96 ms
Total time elapsed: 0:00:59.831197

Scraping webpage number: 26 of 200
Page scraped successfully!
Time taken: 2188.33 ms
Total time elapsed: 0:01:02.019526

Scraping webpage number: 27 of 200
Page scraped successfully!
Time taken: 2329.9 ms
Total time elapsed: 0:01:04.349423

Scraping webpage number: 28 of 200
Page scraped successfully!
Time taken: 2570.74 ms
Total time elapsed: 0:01:06.920167

Scraping webpage number: 29 of 200
Page scraped successfully!
Time taken: 2469.82 ms
Total time elapsed: 0:01:09.389989

Scraping webpage number: 30 of 200
Page scraped successfully!
Time taken: 2497.62 ms
Total time elapsed: 0:01:11.887607

Scraping webpage number: 31 of 200
Page scraped successfully!
Time taken: 2148.87 ms
Total time elapsed: 0:01:14.037471

Scraping webpage number: 32 of 200
Page scraped successfully!
Time taken: 2491.79 ms
Total time elapsed: 0:01:16.529265

Scraping webpage number: 33 of 200
Page scraped successfully!
Time taken: 2381.19 ms
Total time elapsed: 0:01:18.910458

Scraping webpage number: 34 of 200
Page scraped successfully!

Time taken: 2348.73 ms
Total time elapsed: 0:01:21.259191

Scraping webpage number: 35 of 200
Page scraped successfully!
Time taken: 2624.92 ms
Total time elapsed: 0:01:23.884110

Scraping webpage number: 36 of 200
Page scraped successfully!
Time taken: 2211.16 ms
Total time elapsed: 0:01:26.095269

Scraping webpage number: 37 of 200
Page scraped successfully!
Time taken: 2478.18 ms
Total time elapsed: 0:01:28.573451

Scraping webpage number: 38 of 200
Page scraped successfully!
Time taken: 2404.51 ms
Total time elapsed: 0:01:30.977959

Scraping webpage number: 39 of 200
Page scraped successfully!
Time taken: 2190.98 ms
Total time elapsed: 0:01:33.168939

Scraping webpage number: 40 of 200
Page scraped successfully!
Time taken: 2345.67 ms
Total time elapsed: 0:01:35.514613

Scraping webpage number: 41 of 200
Page scraped successfully!
Time taken: 2426.7 ms
Total time elapsed: 0:01:37.941318

Scraping webpage number: 42 of 200
Page scraped successfully!
Time taken: 2278.17 ms
Total time elapsed: 0:01:40.219487

Scraping webpage number: 43 of 200
Page scraped successfully!
Time taken: 2693.8 ms
Total time elapsed: 0:01:42.913287

Scraping webpage number: 44 of 200
Page scraped successfully!
Time taken: 2465.3 ms
Total time elapsed: 0:01:45.378587

Scraping webpage number: 45 of 200
Page scraped successfully!
Time taken: 2530.62 ms
Total time elapsed: 0:01:47.909211

Scraping webpage number: 46 of 200
Page scraped successfully!
Time taken: 2539.12 ms
Total time elapsed: 0:01:50.448333

Scraping webpage number: 47 of 200
Page scraped successfully!
Time taken: 2518.61 ms
Total time elapsed: 0:01:52.966943

Scraping webpage number: 48 of 200
Page scraped successfully!
Time taken: 2795.24 ms
Total time elapsed: 0:01:55.762187

Scraping webpage number: 49 of 200
Page scraped successfully!
Time taken: 2434.32 ms
Total time elapsed: 0:01:58.197507

Scraping webpage number: 50 of 200
Page scraped successfully!
Time taken: 2398.59 ms
Total time elapsed: 0:02:00.597098

Scraping webpage number: 51 of 200
Page scraped successfully!
Time taken: 2551.22 ms
Total time elapsed: 0:02:03.148319

Scraping webpage number: 52 of 200
Page scraped successfully!
Time taken: 2434.27 ms
Total time elapsed: 0:02:05.582585

Scraping webpage number: 53 of 200
Page scraped successfully!
Time taken: 2387.74 ms

Total time elapsed: 0:02:07.970330

Scraping webpage number: 54 of 200

Page scraped successfully!

Time taken: 2389.11 ms

Total time elapsed: 0:02:10.359440

Scraping webpage number: 55 of 200

Page scraped successfully!

Time taken: 2346.19 ms

Total time elapsed: 0:02:12.705635

Scraping webpage number: 56 of 200

Page scraped successfully!

Time taken: 2239.55 ms

Total time elapsed: 0:02:14.945183

Scraping webpage number: 57 of 200

Page scraped successfully!

Time taken: 2513.78 ms

Total time elapsed: 0:02:17.458964

Scraping webpage number: 58 of 200

Page scraped successfully!

Time taken: 2567.76 ms

Total time elapsed: 0:02:20.026724

Scraping webpage number: 59 of 200

Page scraped successfully!

Time taken: 2589.04 ms

Total time elapsed: 0:02:22.615762

Scraping webpage number: 60 of 200

Page scraped successfully!

Time taken: 2353.11 ms

Total time elapsed: 0:02:24.968868

Scraping webpage number: 61 of 200

Page scraped successfully!

Time taken: 2349.82 ms

Total time elapsed: 0:02:27.318683

Scraping webpage number: 62 of 200

Page scraped successfully!

Time taken: 2295.92 ms

Total time elapsed: 0:02:29.614606

Scraping webpage number: 63 of 200

Page scraped successfully!
Time taken: 2231.15 ms
Total time elapsed: 0:02:31.845758

Scraping webpage number: 64 of 200
Page scraped successfully!
Time taken: 2318.65 ms
Total time elapsed: 0:02:34.164403

Scraping webpage number: 65 of 200
Page scraped successfully!
Time taken: 2226.87 ms
Total time elapsed: 0:02:36.392263

Scraping webpage number: 66 of 200
Page scraped successfully!
Time taken: 2267.28 ms
Total time elapsed: 0:02:38.659542

Scraping webpage number: 67 of 200
Page scraped successfully!
Time taken: 2322.61 ms
Total time elapsed: 0:02:40.982154

Scraping webpage number: 68 of 200
Page scraped successfully!
Time taken: 2514.86 ms
Total time elapsed: 0:02:43.497010

Scraping webpage number: 69 of 200
Page scraped successfully!
Time taken: 2428.77 ms
Total time elapsed: 0:02:45.925778

Scraping webpage number: 70 of 200
Page scraped successfully!
Time taken: 2416.43 ms
Total time elapsed: 0:02:48.342208

Scraping webpage number: 71 of 200
Page scraped successfully!
Time taken: 2459.94 ms
Total time elapsed: 0:02:50.802147

Scraping webpage number: 72 of 200
Page scraped successfully!
Time taken: 2304.74 ms
Total time elapsed: 0:02:53.106882

Scraping webpage number: 73 of 200
Page scraped successfully!
Time taken: 2347.82 ms
Total time elapsed: 0:02:55.455704

Scraping webpage number: 74 of 200
Page scraped successfully!
Time taken: 2492.88 ms
Total time elapsed: 0:02:57.948580

Scraping webpage number: 75 of 200
Page scraped successfully!
Time taken: 2481.55 ms
Total time elapsed: 0:03:00.430131

Scraping webpage number: 76 of 200
Page scraped successfully!
Time taken: 2468.32 ms
Total time elapsed: 0:03:02.898449

Scraping webpage number: 77 of 200
Page scraped successfully!
Time taken: 2346.34 ms
Total time elapsed: 0:03:05.244793

Scraping webpage number: 78 of 200
Page scraped successfully!
Time taken: 2569.3 ms
Total time elapsed: 0:03:07.814096

Scraping webpage number: 79 of 200
Page scraped successfully!
Time taken: 2200.71 ms
Total time elapsed: 0:03:10.014810

Scraping webpage number: 80 of 200
Page scraped successfully!
Time taken: 2424.99 ms
Total time elapsed: 0:03:12.439801

Scraping webpage number: 81 of 200
Page scraped successfully!
Time taken: 2428.93 ms
Total time elapsed: 0:03:14.868731

Scraping webpage number: 82 of 200
Page scraped successfully!

Time taken: 2362.86 ms
Total time elapsed: 0:03:17.231588

Scraping webpage number: 83 of 200
Page scraped successfully!
Time taken: 2408.79 ms
Total time elapsed: 0:03:19.640375

Scraping webpage number: 84 of 200
Page scraped successfully!
Time taken: 2484.87 ms
Total time elapsed: 0:03:22.126261

Scraping webpage number: 85 of 200
Page scraped successfully!
Time taken: 2429.56 ms
Total time elapsed: 0:03:24.555826

Scraping webpage number: 86 of 200
Page scraped successfully!
Time taken: 2315.51 ms
Total time elapsed: 0:03:26.871337

Scraping webpage number: 87 of 200
Page scraped successfully!
Time taken: 2741.15 ms
Total time elapsed: 0:03:29.612490

Scraping webpage number: 88 of 200
Page scraped successfully!
Time taken: 2393.85 ms
Total time elapsed: 0:03:32.006341

Scraping webpage number: 89 of 200
Page scraped successfully!
Time taken: 2479.72 ms
Total time elapsed: 0:03:34.486061

Scraping webpage number: 90 of 200
Page scraped successfully!
Time taken: 2245.6 ms
Total time elapsed: 0:03:36.731663

Scraping webpage number: 91 of 200
Page scraped successfully!
Time taken: 2278.93 ms
Total time elapsed: 0:03:39.010596

Scraping webpage number: 92 of 200
Page scraped successfully!
Time taken: 2339.39 ms
Total time elapsed: 0:03:41.349988

Scraping webpage number: 93 of 200
Page scraped successfully!
Time taken: 2389.03 ms
Total time elapsed: 0:03:43.739022

Scraping webpage number: 94 of 200
Page scraped successfully!
Time taken: 2181.18 ms
Total time elapsed: 0:03:45.920205

Scraping webpage number: 95 of 200
Page scraped successfully!
Time taken: 2352.68 ms
Total time elapsed: 0:03:48.272883

Scraping webpage number: 96 of 200
Page scraped successfully!
Time taken: 2350.26 ms
Total time elapsed: 0:03:50.623144

Scraping webpage number: 97 of 200
Page scraped successfully!
Time taken: 2439.92 ms
Total time elapsed: 0:03:53.063068

Scraping webpage number: 98 of 200
Page scraped successfully!
Time taken: 2729.52 ms
Total time elapsed: 0:03:55.792592

Scraping webpage number: 99 of 200
Page scraped successfully!
Time taken: 3264.65 ms
Total time elapsed: 0:03:59.057243

Scraping webpage number: 100 of 200
Page scraped successfully!
Time taken: 2535.09 ms
Total time elapsed: 0:04:01.592332

Scraping webpage number: 101 of 200
Page scraped successfully!
Time taken: 2594.94 ms

Total time elapsed: 0:04:04.187268

Scraping webpage number: 102 of 200

Page scraped successfully!

Time taken: 5011.36 ms

Total time elapsed: 0:04:09.199558

Scraping webpage number: 103 of 200

Page scraped successfully!

Time taken: 2736.07 ms

Total time elapsed: 0:04:11.935631

Scraping webpage number: 104 of 200

Page scraped successfully!

Time taken: 2648.39 ms

Total time elapsed: 0:04:14.584018

Scraping webpage number: 105 of 200

Page scraped successfully!

Time taken: 2881.83 ms

Total time elapsed: 0:04:17.465849

Scraping webpage number: 106 of 200

Page scraped successfully!

Time taken: 2557.26 ms

Total time elapsed: 0:04:20.023105

Scraping webpage number: 107 of 200

Page scraped successfully!

Time taken: 2596.96 ms

Total time elapsed: 0:04:22.621069

Scraping webpage number: 108 of 200

Page scraped successfully!

Time taken: 2363.4 ms

Total time elapsed: 0:04:24.984474

Scraping webpage number: 109 of 200

Page scraped successfully!

Time taken: 2515.1 ms

Total time elapsed: 0:04:27.499571

Scraping webpage number: 110 of 200

Page scraped successfully!

Time taken: 2668.48 ms

Total time elapsed: 0:04:30.168054

Scraping webpage number: 111 of 200

Page scraped successfully!
Time taken: 2415.32 ms
Total time elapsed: 0:04:32.583371

Scraping webpage number: 112 of 200
Page scraped successfully!
Time taken: 2484.48 ms
Total time elapsed: 0:04:35.067848

Scraping webpage number: 113 of 200
Page scraped successfully!
Time taken: 2375.34 ms
Total time elapsed: 0:04:37.443193

Scraping webpage number: 114 of 200
Page scraped successfully!
Time taken: 2389.42 ms
Total time elapsed: 0:04:39.832613

Scraping webpage number: 115 of 200
Page scraped successfully!
Time taken: 2379.73 ms
Total time elapsed: 0:04:42.212340

Scraping webpage number: 116 of 200
Page scraped successfully!
Time taken: 2419.91 ms
Total time elapsed: 0:04:44.633253

Scraping webpage number: 117 of 200
Page scraped successfully!
Time taken: 2616.71 ms
Total time elapsed: 0:04:47.249962

Scraping webpage number: 118 of 200
Page scraped successfully!
Time taken: 2346.22 ms
Total time elapsed: 0:04:49.596181

Scraping webpage number: 119 of 200
Page scraped successfully!
Time taken: 2435.99 ms
Total time elapsed: 0:04:52.032171

Scraping webpage number: 120 of 200
Page scraped successfully!
Time taken: 2340.99 ms
Total time elapsed: 0:04:54.373162

Scraping webpage number: 121 of 200
Page scraped successfully!
Time taken: 2542.11 ms
Total time elapsed: 0:04:56.915271

Scraping webpage number: 122 of 200
Page scraped successfully!
Time taken: 2250.77 ms
Total time elapsed: 0:04:59.166041

Scraping webpage number: 123 of 200
Page scraped successfully!
Time taken: 2397.88 ms
Total time elapsed: 0:05:01.563916

Scraping webpage number: 124 of 200
Page scraped successfully!
Time taken: 2240.39 ms
Total time elapsed: 0:05:03.804304

Scraping webpage number: 125 of 200
Page scraped successfully!
Time taken: 2342.19 ms
Total time elapsed: 0:05:06.146495

Scraping webpage number: 126 of 200
Page scraped successfully!
Time taken: 2175.14 ms
Total time elapsed: 0:05:08.322637

Scraping webpage number: 127 of 200
Page scraped successfully!
Time taken: 2675.47 ms
Total time elapsed: 0:05:10.998103

Scraping webpage number: 128 of 200
Page scraped successfully!
Time taken: 2189.29 ms
Total time elapsed: 0:05:13.187389

Scraping webpage number: 129 of 200
Page scraped successfully!
Time taken: 2320.04 ms
Total time elapsed: 0:05:15.507429

Scraping webpage number: 130 of 200
Page scraped successfully!

Time taken: 2429.68 ms
Total time elapsed: 0:05:17.937109

Scraping webpage number: 131 of 200
Page scraped successfully!
Time taken: 2457.2 ms
Total time elapsed: 0:05:20.394305

Scraping webpage number: 132 of 200
Page scraped successfully!
Time taken: 2122.25 ms
Total time elapsed: 0:05:22.516553

Scraping webpage number: 133 of 200
Page scraped successfully!
Time taken: 2441.16 ms
Total time elapsed: 0:05:24.958713

Scraping webpage number: 134 of 200
Page scraped successfully!
Time taken: 2210.23 ms
Total time elapsed: 0:05:27.168947

Scraping webpage number: 135 of 200
Page scraped successfully!
Time taken: 2190.15 ms
Total time elapsed: 0:05:29.359093

Scraping webpage number: 136 of 200
Page scraped successfully!
Time taken: 2372.42 ms
Total time elapsed: 0:05:31.731512

Scraping webpage number: 137 of 200
Page scraped successfully!
Time taken: 2684.2 ms
Total time elapsed: 0:05:34.415710

Scraping webpage number: 138 of 200
Page scraped successfully!
Time taken: 2594.47 ms
Total time elapsed: 0:05:37.010180

Scraping webpage number: 139 of 200
Page scraped successfully!
Time taken: 2584.12 ms
Total time elapsed: 0:05:39.594299

Scraping webpage number: 140 of 200
Page scraped successfully!
Time taken: 2300.08 ms
Total time elapsed: 0:05:41.894376

Scraping webpage number: 141 of 200
Page scraped successfully!
Time taken: 2419.99 ms
Total time elapsed: 0:05:44.314363

Scraping webpage number: 142 of 200
Page scraped successfully!
Time taken: 2301.79 ms
Total time elapsed: 0:05:46.617149

Scraping webpage number: 143 of 200
Page scraped successfully!
Time taken: 2621.09 ms
Total time elapsed: 0:05:49.238241

Scraping webpage number: 144 of 200
Page scraped successfully!
Time taken: 2503.84 ms
Total time elapsed: 0:05:51.743079

Scraping webpage number: 145 of 200
Page scraped successfully!
Time taken: 3119.43 ms
Total time elapsed: 0:05:54.862508

Scraping webpage number: 146 of 200
Page scraped successfully!
Time taken: 2452.27 ms
Total time elapsed: 0:05:57.314781

Scraping webpage number: 147 of 200
Page scraped successfully!
Time taken: 2715.81 ms
Total time elapsed: 0:06:00.030592

Scraping webpage number: 148 of 200
Page scraped successfully!
Time taken: 2437.6 ms
Total time elapsed: 0:06:02.468189

Scraping webpage number: 149 of 200
Page scraped successfully!
Time taken: 2447.84 ms

Total time elapsed: 0:06:04.916028

Scraping webpage number: 150 of 200
Page scraped successfully!
Time taken: 2347.07 ms
Total time elapsed: 0:06:07.263102

Scraping webpage number: 151 of 200
Page scraped successfully!
Time taken: 2425.28 ms
Total time elapsed: 0:06:09.689365

Scraping webpage number: 152 of 200
Page scraped successfully!
Time taken: 2365.99 ms
Total time elapsed: 0:06:12.055356

Scraping webpage number: 153 of 200
Page scraped successfully!
Time taken: 2464.91 ms
Total time elapsed: 0:06:14.520265

Scraping webpage number: 154 of 200
Page scraped successfully!
Time taken: 2233.86 ms
Total time elapsed: 0:06:16.754126

Scraping webpage number: 155 of 200
Page scraped successfully!
Time taken: 2345.96 ms
Total time elapsed: 0:06:19.100087

Scraping webpage number: 156 of 200
Page scraped successfully!
Time taken: 2481.24 ms
Total time elapsed: 0:06:21.581327

Scraping webpage number: 157 of 200
Page scraped successfully!
Time taken: 2327.55 ms
Total time elapsed: 0:06:23.908880

Scraping webpage number: 158 of 200
Page scraped successfully!
Time taken: 2480.76 ms
Total time elapsed: 0:06:26.389643

Scraping webpage number: 159 of 200

Page scraped successfully!
Time taken: 2429.67 ms
Total time elapsed: 0:06:28.819309

Scraping webpage number: 160 of 200
Page scraped successfully!
Time taken: 2318.16 ms
Total time elapsed: 0:06:31.137467

Scraping webpage number: 161 of 200
Page scraped successfully!
Time taken: 2285.93 ms
Total time elapsed: 0:06:33.423397

Scraping webpage number: 162 of 200
Page scraped successfully!
Time taken: 2356.49 ms
Total time elapsed: 0:06:35.779891

Scraping webpage number: 163 of 200
Page scraped successfully!
Time taken: 2340.57 ms
Total time elapsed: 0:06:38.120457

Scraping webpage number: 164 of 200
Page scraped successfully!
Time taken: 2089.98 ms
Total time elapsed: 0:06:40.210441

Scraping webpage number: 165 of 200
Page scraped successfully!
Time taken: 2377.93 ms
Total time elapsed: 0:06:42.588372

Scraping webpage number: 166 of 200
Page scraped successfully!
Time taken: 2322.39 ms
Total time elapsed: 0:06:44.910765

Scraping webpage number: 167 of 200
Page scraped successfully!
Time taken: 2970.46 ms
Total time elapsed: 0:06:47.882243

Scraping webpage number: 168 of 200
Page scraped successfully!
Time taken: 2683.43 ms
Total time elapsed: 0:06:50.565676

Scraping webpage number: 169 of 200
Page scraped successfully!
Time taken: 2425.61 ms
Total time elapsed: 0:06:52.991282

Scraping webpage number: 170 of 200
Page scraped successfully!
Time taken: 2426.55 ms
Total time elapsed: 0:06:55.418837

Scraping webpage number: 171 of 200
Page scraped successfully!
Time taken: 2561.1 ms
Total time elapsed: 0:06:57.979938

Scraping webpage number: 172 of 200
Page scraped successfully!
Time taken: 2424.01 ms
Total time elapsed: 0:07:00.403944

Scraping webpage number: 173 of 200
Page scraped successfully!
Time taken: 2316.74 ms
Total time elapsed: 0:07:02.720685

Scraping webpage number: 174 of 200
Page scraped successfully!
Time taken: 2390.59 ms
Total time elapsed: 0:07:05.111276

Scraping webpage number: 175 of 200
Page scraped successfully!
Time taken: 2462.4 ms
Total time elapsed: 0:07:07.573680

Scraping webpage number: 176 of 200
Page scraped successfully!
Time taken: 2348.47 ms
Total time elapsed: 0:07:09.922154

Scraping webpage number: 177 of 200
Page scraped successfully!
Time taken: 2327.8 ms
Total time elapsed: 0:07:12.249952

Scraping webpage number: 178 of 200
Page scraped successfully!

Time taken: 2377.64 ms
Total time elapsed: 0:07:14.627589

Scraping webpage number: 179 of 200
Page scraped successfully!
Time taken: 2229.45 ms
Total time elapsed: 0:07:16.857039

Scraping webpage number: 180 of 200
Page scraped successfully!
Time taken: 2601.64 ms
Total time elapsed: 0:07:19.458677

Scraping webpage number: 181 of 200
Page scraped successfully!
Time taken: 2361.45 ms
Total time elapsed: 0:07:21.820124

Scraping webpage number: 182 of 200
Page scraped successfully!
Time taken: 2478.76 ms
Total time elapsed: 0:07:24.298884

Scraping webpage number: 183 of 200
Page scraped successfully!
Time taken: 2699.95 ms
Total time elapsed: 0:07:26.998837

Scraping webpage number: 184 of 200
Page scraped successfully!
Time taken: 2573.19 ms
Total time elapsed: 0:07:29.572023

Scraping webpage number: 185 of 200
Page scraped successfully!
Time taken: 2443.59 ms
Total time elapsed: 0:07:32.015615

Scraping webpage number: 186 of 200
Page scraped successfully!
Time taken: 2489.66 ms
Total time elapsed: 0:07:34.505271

Scraping webpage number: 187 of 200
Page scraped successfully!
Time taken: 2629.09 ms
Total time elapsed: 0:07:37.134364

Scraping webpage number: 188 of 200
Page scraped successfully!
Time taken: 2318.71 ms
Total time elapsed: 0:07:39.453079

Scraping webpage number: 189 of 200
Page scraped successfully!
Time taken: 2323.94 ms
Total time elapsed: 0:07:41.777017

Scraping webpage number: 190 of 200
Page scraped successfully!
Time taken: 2413.69 ms
Total time elapsed: 0:07:44.190708

Scraping webpage number: 191 of 200
Page scraped successfully!
Time taken: 2615.75 ms
Total time elapsed: 0:07:46.806454

Scraping webpage number: 192 of 200
Page scraped successfully!
Time taken: 2398.03 ms
Total time elapsed: 0:07:49.204483

Scraping webpage number: 193 of 200
Page scraped successfully!
Time taken: 2430.31 ms
Total time elapsed: 0:07:51.634796

Scraping webpage number: 194 of 200
Page scraped successfully!
Time taken: 2289.45 ms
Total time elapsed: 0:07:53.924249

Scraping webpage number: 195 of 200
Page scraped successfully!
Time taken: 2389.26 ms
Total time elapsed: 0:07:56.313510

Scraping webpage number: 196 of 200
Page scraped successfully!
Time taken: 2672.72 ms
Total time elapsed: 0:07:58.986227

Scraping webpage number: 197 of 200
Page scraped successfully!
Time taken: 2638.32 ms

Total time elapsed: 0:08:01.624547

Scraping webpage number: 198 of 200

Page scraped successfully!

Time taken: 2087.09 ms

Total time elapsed: 0:08:03.711637

Scraping webpage number: 199 of 200

Page scraped successfully!

Time taken: 2371.0 ms

Total time elapsed: 0:08:06.082640

Scraping webpage number: 200 of 200

Page scraped successfully!

Time taken: 2248.93 ms

Total time elapsed: 0:08:08.331573

Full website scraped successfully!

Total time taken: 0:08:08.338149

```
[128]: print("dataframe shape", dataframe_final.shape)
print()
print("column-wise null count")
print(dataframe_final.isna().sum())
print()
```

dataframe shape (3000, 6)

column-wise null count

Company Name 0

City 0

Postal Code 0

Address 0

Industry 0

Country 0

dtype: int64

```
[129]: dataframe_final.describe()
```

```
[129]:
```

	Company Name	City	Postal Code	\
count	3000	3000	3000	
unique	2985	1	209	
top	Srikari Impetus Solutions Pvt Ltd	Hyderabad	500034	
freq	3	3000	330	

Address Industry Country

count	3000	3000	3000
unique	2912	1017	1
top	Address : Hyderabad	...	India
freq	11	1981	3000

```
[130]: dataframe_final.tail()
```

```
[130]:
```

	Company Name	City	Postal Code	\
2995	Tci Finance Ltd	Hyderabad	500003	
2996	Karvy Investor Services Ltd	Hyderabad	500034	
2997	Karvy Consultants Ltd	Hyderabad	500034	
2998	Karvy Comtrade Ltd	Hyderabad	500034	
2999	Andhra Pradesh State Financial Corporation	Hyderabad	500001	

	Address	Industry	Country
2995	Address : 1-7-293, M G Road	...	India
2996	Address : Karvy House, 46, Avenue-4, Street...	...	India
2997	Address : Karvy House, 46 Avenue 4, Street No...	...	India
2998	Address : 46, Avenue 4, Street No. 1, Banjara	India
2999	Address : 5-9-194, PB No:165 Chirag Ali Lane	...	India

```
[131]: import os

documents_folder = os.path.expanduser(r"~\Documents")

output_file_path = os.path.join(documents_folder, "WebScrapping.csv")

try:
    dataframe_final.to_csv(output_file_path, encoding="utf-8", index=False)
    print(f"CSV file saved successfully at {output_file_path}")
except Exception as e:
    print(f"Error saving CSV file: {e}")
```

CSV file saved successfully at C:\Users\Nithilesh M\Documents\WebScrapping.csv