

# Naukri.com Job Listings Scraper (No Login)

```
In [19]: pip install selenium webdriver-manager pandas
```

```
Requirement already satisfied: selenium in /opt/anaconda3/lib/python3.13/site-packages (4.39.0)
Requirement already satisfied: webdriver-manager in /opt/anaconda3/lib/python3.13/site-packages (4.0.2)
Requirement already satisfied: pandas in /opt/anaconda3/lib/python3.13/site-packages (2.2.3)
Requirement already satisfied: urllib3<3.0,>=2.5.0 in /opt/anaconda3/lib/python3.13/site-packages (from urllib3[socks]<3.0,>=2.5.0->selenium) (2.6.2)
Requirement already satisfied: trio<1.0,>=0.31.0 in /opt/anaconda3/lib/python3.13/site-packages (from selenium) (0.32.0)
Requirement already satisfied: trio-websocket<1.0,>=0.12.2 in /opt/anaconda3/lib/python3.13/site-packages (from selenium) (0.12.2)
Requirement already satisfied: certifi>=2025.10.5 in /opt/anaconda3/lib/python3.13/site-packages (from selenium) (2026.1.4)
Requirement already satisfied: typing_extensions<5.0,>=4.15.0 in /opt/anaconda3/lib/python3.13/site-packages (from selenium) (4.15.0)
Requirement already satisfied: websocket-client<2.0,>=1.8.0 in /opt/anaconda3/lib/python3.13/site-packages (from selenium) (1.8.0)
Requirement already satisfied: attrs>=23.2.0 in /opt/anaconda3/lib/python3.13/site-packages (from trio<1.0,>=0.31.0->selenium) (24.3.0)
Requirement already satisfied: sortedcontainers in /opt/anaconda3/lib/python3.13/site-packages (from trio<1.0,>=0.31.0->selenium) (2.4.0)
Requirement already satisfied: idna in /opt/anaconda3/lib/python3.13/site-packages (from trio<1.0,>=0.31.0->selenium) (3.7)
Requirement already satisfied: outcome in /opt/anaconda3/lib/python3.13/site-packages (from trio<1.0,>=0.31.0->selenium) (1.3.0.post0)
Requirement already satisfied: sniffio>=1.3.0 in /opt/anaconda3/lib/python3.13/site-packages (from trio<1.0,>=0.31.0->selenium) (1.3.0)
Requirement already satisfied: wsproto>=0.14 in /opt/anaconda3/lib/python3.13/site-packages (from trio-websocket<1.0,>=0.12.2->selenium) (1.3.2)
Requirement already satisfied: pysocks!=1.5.7,<2.0,>=1.5.6 in /opt/anaconda3/lib/python3.13/site-packages (from urllib3[socks]<3.0,>=2.5.0->selenium) (1.7.1)
Requirement already satisfied: requests in /opt/anaconda3/lib/python3.13/site-packages (from webdriver-manager) (2.32.3)
Requirement already satisfied: python-dotenv in /opt/anaconda3/lib/python3.13/site-packages (from webdriver-manager) (1.1.0)
Requirement already satisfied: packaging in /opt/anaconda3/lib/python3.13/site-packages (from webdriver-manager) (24.2)
Requirement already satisfied: numpy>=1.26.0 in /opt/anaconda3/lib/python3.13/site-packages (from pandas) (2.1.3)
Requirement already satisfied: python-dateutil>=2.8.2 in /opt/anaconda3/lib/python3.13/site-packages (from pandas) (2.9.0.post0)
Requirement already satisfied: pytz>=2020.1 in /opt/anaconda3/lib/python3.13/site-packages (from pandas) (2024.1)
Requirement already satisfied: tzdata>=2022.7 in /opt/anaconda3/lib/python3.13/site-packages (from pandas) (2025.2)
Requirement already satisfied: six>=1.5 in /opt/anaconda3/lib/python3.13/site-packages (from python-dateutil>=2.8.2->pandas) (1.17.0)
Requirement already satisfied: h11<1,>=0.16.0 in /opt/anaconda3/lib/python3.13/site-packages (from wsproto>=0.14->trio-websocket<1.0,>=0.12.2->selenium) (0.16.0)
Requirement already satisfied: charset-normalizer<4,>=2 in /opt/anaconda3/lib/python3.13/site-packages (from requests->webdriver-manager) (3.3.2)
Note: you may need to restart the kernel to use updated packages.
```

```
In [11]: # Environment Setup
```

```
from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.chrome.options import Options
from selenium.webdriver.common.by import By
from selenium.webdriver.support.ui import WebDriverWait
from selenium.webdriver.support import expected_conditions as EC
from webdriver_manager.chrome import ChromeDriverManager

import pandas as pd
import time
from urllib.parse import quote
```

```
In [ ]: # Driver Setup
```

```
def create_driver() -> webdriver.Chrome:
    options = Options()
    options.add_argument("--start-maximized")
    options.add_argument("--disable-notifications")
    options.add_argument("--disable-blink-features=AutomationControlled")

    driver = webdriver.Chrome(
        service=Service(ChromeDriverManager().install()),
        options=options
    )
    return driver
```

```
In [14]: # Open Search Page/Tab
```

```
def open_search_page(driver: webdriver.Chrome, title: str, location: str) ->
    title = quote(title)
    location = quote(location)

    url = f"https://www.naukri.com/{title}-jobs-in-{location}?jobAge=1"
    driver.get(url)

    WebDriverWait(driver, 20).until(
        EC.presence_of_element_located((By.TAG_NAME, "body"))
    )

    time.sleep(6)
```

```
In [15]: # Safe Text Helper
```

```
def safe_text(parent, selector: str):
    try:
        return parent.find_element(By.CSS_SELECTOR, selector).text.strip()
    except:
        return None
```

```
In [17]: def scrape_jobs(driver: webdriver.Chrome):
```

```
    cards = driver.find_elements(By.CSS_SELECTOR, "div.srp-jobtuple-wrapper")
```

```

data = []

print(f"DEBUG: Found {len(cards)} job cards")

for card in cards:
    title = safe_text(card, "a.title")
    company = safe_text(card, "a.comp-name")
    location = safe_text(card, "span.locWdth")
    experience = safe_text(card, "span.expwdth")
    posted = safe_text(card, "span.job-post-day")

    try:
        link = card.find_element(By.CSS_SELECTOR, "a.title").get_attribute("href")
    except:
        link = None

    if not title:
        continue

    data.append([
        title,
        company,
        location,
        experience,
        posted,
        link
    ])

return data

```

```

In [18]: # Main Pipeline

def run() -> pd.DataFrame:
    driver = create_driver()

    try:
        open_search_page(driver, JOB_TITLE, LOCATION)
    # to take ss
        driver.save_screenshot("naukri_loaded.png")

        data = scrape_jobs(driver)
    finally:
        driver.quit()

    df = pd.DataFrame(
        data,
        columns=["Job Title", "Company", "Location", "Experience", "Posted",
    )

    df.drop_duplicates(inplace=True)
    df.to_csv(OUTPUT_FILE, index=False)

    print(f"Scraped {len(df)} jobs")
    print(f"Saved to {OUTPUT_FILE}")

```

```
return df
```

```
In [53]: # Configuration
# If anyone is watching this project
# let me tell you, you can put the Job Role and Location here

JOB_TITLE = "Sales"
LOCATION = "Bangalore"
OUTPUT_FILE = "naukri_jobs_last_24_hours.csv"
```

```
In [54]: # Execute
if __name__ == "__main__":
    df = run()
    print(df.head())
```

```
DEBUG: Found 20 job cards
Scraped 20 jobs
Saved to naukri_jobs_last_24_hours.csv
```

	Job Title	Company \
0	Relationship Manager   Sales- Fresher Role - B...	NoBroker
1	NR Relationship Manager & Inside Sales Executive	NoBroker
2	Sales & Marketing Manager	Sales Partners
3	Sales Development Representative (Email)	Tracxn
4	Associate General Manager – Sales	Livspace

	Location	Experience	Posted \
0	Bengaluru(HSR Layout +6)	0-1 Yrs	1 week ago
1	Bengaluru(Sarjapur)	0-1 Yrs	2 days ago
2	Mangaluru, Bengaluru	0-5 Yrs	1 week ago
3	Bengaluru	0-3 Yrs	Just now
4	Bengaluru	6-11 Yrs	Few hours ago

	Link
0	<a href="https://www.naukri.com/job-listings-relationshi...">https://www.naukri.com/job-listings-relationshi...</a>
1	<a href="https://www.naukri.com/job-listings-nr-relatio...">https://www.naukri.com/job-listings-nr-relatio...</a>
2	<a href="https://www.naukri.com/job-listings-sales-mark...">https://www.naukri.com/job-listings-sales-mark...</a>
3	<a href="https://www.naukri.com/job-listings-sales-deve...">https://www.naukri.com/job-listings-sales-deve...</a>
4	<a href="https://www.naukri.com/job-listings-associate-...">https://www.naukri.com/job-listings-associate-...</a>

```
In [55]: df.head()
```

Out[55]:

	Job Title	Company	Location	Experience	Posted	
0	Relationship Manager   Sales- Fresher Role - B...	NoBroker	Bengaluru(HSR Layout +6)	0-1 Yrs	1 week ago	<a href="https://www.naukri.com/listings-rel">https://www.naukri.com/listings-rel</a>
1	NR Relationship Manager & Inside Sales Executive	NoBroker	Bengaluru(Sarjapur)	0-1 Yrs	2 days ago	<a href="https://www.naukri.com/listings-ni">https://www.naukri.com/listings-ni</a>
2	Sales & Marketing Manager	Sales Partners	Mangaluru, Bengaluru	0-5 Yrs	1 week ago	<a href="https://www.naukri.com/listings-sale">https://www.naukri.com/listings-sale</a>
3	Sales Development Representative (Email)	Tracxn	Bengaluru	0-3 Yrs	Just now	<a href="https://www.naukri.com/listings-sale">https://www.naukri.com/listings-sale</a>
4	Associate General Manager - Sales	Livspace	Bengaluru	6-11 Yrs	Few hours ago	<a href="https://www.naukri.com/listings-ass">https://www.naukri.com/listings-ass</a>

In [56]:

```
import numpy as np
import matplotlib.pyplot as plt

def experience_to_numeric(exp):
    try:
        exp = exp.replace(" Yrs", "").strip()
        low, high = exp.split("-")
        return (int(low) + int(high)) / 2
    except:
        return np.nan

df[["Experience_Num"]] = df[["Experience"]].apply(experience_to_numeric)
```

In [57]:

```
df[["Experience", "Experience_Num"]].head()
```

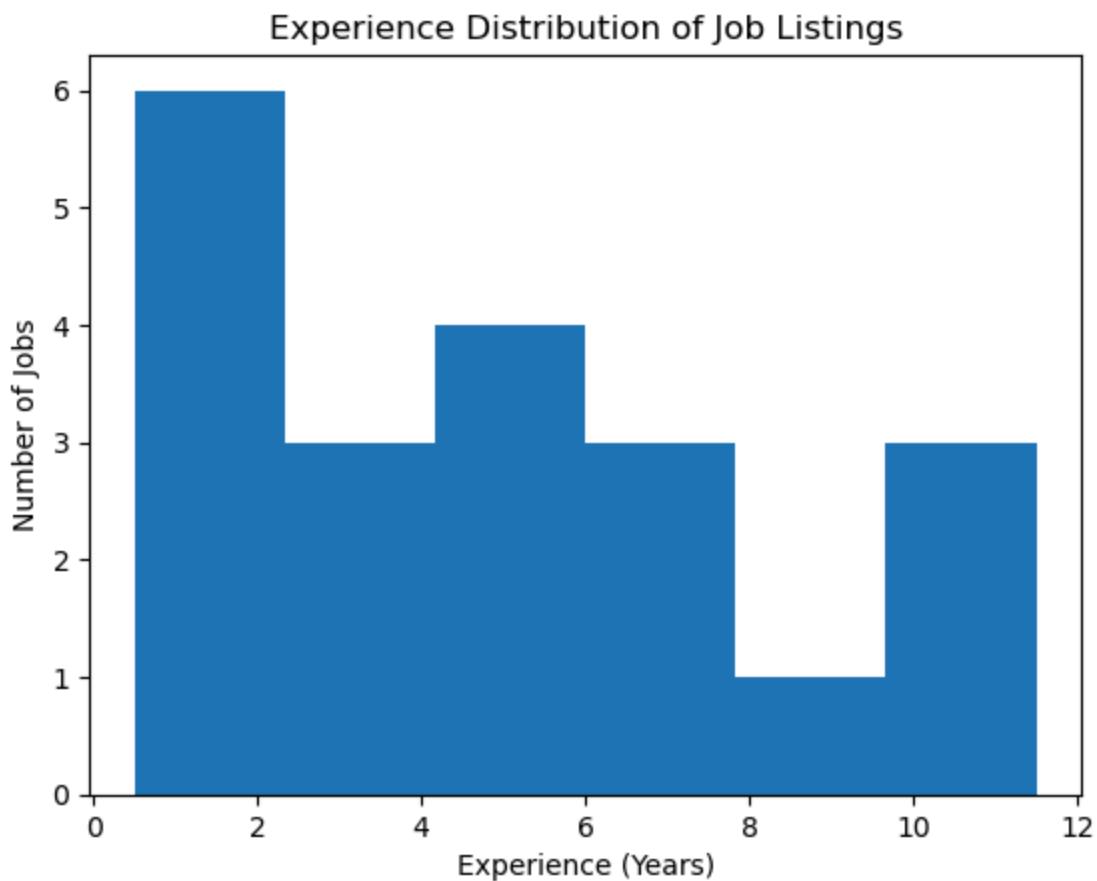
Out[57]:

	Experience	Experience_Num
0	0-1 Yrs	0.5
1	0-1 Yrs	0.5
2	0-5 Yrs	2.5
3	0-3 Yrs	1.5
4	6-11 Yrs	8.5

In [58]:

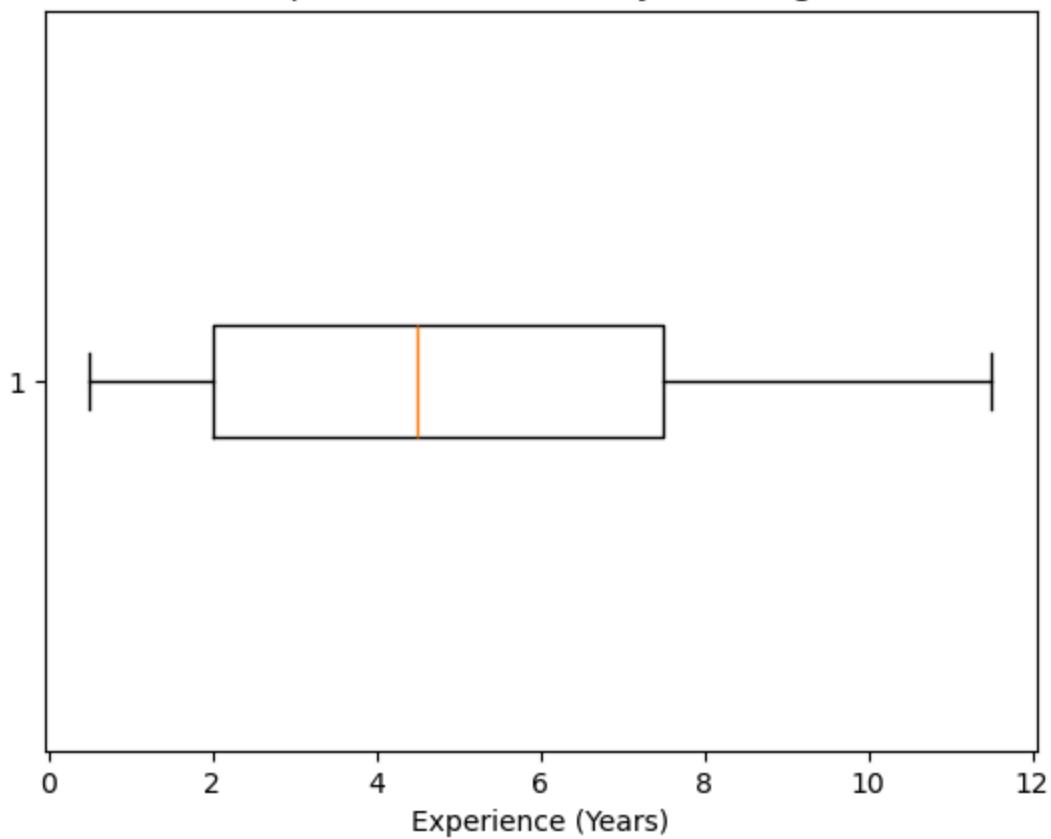
```
plt.figure()
plt.hist(df[["Experience_Num"]].dropna(), bins=6)
plt.xlabel("Experience (Years)")
```

```
plt.ylabel("Number of Jobs")
plt.title("Experience Distribution of Job Listings")
plt.show()
```



```
In [59]: plt.figure()
plt.boxplot(df["Experience_Num"].dropna(), vert=False)
plt.xlabel("Experience (Years)")
plt.title("Experience Variance in Job Listings")
plt.show()
```

Experience Variance in Job Listings



In [ ]:

In [ ]: