ANNAPOORINIMA

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SMA Lab 4:Retrieving the user's LinkedIn Profile and analyzing the profile's connections

In [5]:
```
import pandas as pd
df = pd.read_csv('AConnections.csv')
```

In [6]:
```
df
```

Out[6]:

	First Name	Last Name	URL	Unnamed: 3	Com
0	Bennet	Samuel	https://www.linkedin.com/in/bennet-samuel-2361...	NaN	
1	Arockia	Rexy	https://www.linkedin.com/in/arockia-rexy-b2031...	NaN	
2	Princy	A	https://www.linkedin.com/in/princy-a-71b31a248	NaN	
3	quini	inisha	https://www.linkedin.com/in/quini-inisha-98156...	NaN	
4	Muhammad Ismaeel	Shareef S S	https://www.linkedin.com/in/sec-sha23	NaN	Hacke
5	Sridhar	S	https://www.linkedin.com/in/sridhar-s-66a08224a	NaN	
6	Joshua	E	https://www.linkedin.com/in/joshua-e-0448b41b1	NaN	
7	Rethinagiri	G	https://www.linkedin.com/in/rethinagiri-g-0542...	NaN	
8	Pragadeesh	M	https://www.linkedin.com/in/kumarpragadeesh	NaN	SYNC INTE
9	VIMAL	S E	https://www.linkedin.com/in/vimal-s-e-0a0186221	NaN	
10	Hariharan	S	https://www.linkedin.com/in/hariharan-s-12a016224	NaN	
11	Saranya	Santhanam	https://www.linkedin.com/in/saranya-santhanam-...	NaN	
12	ASHRAFALI	M	https://www.linkedin.com/in/ashrafali-m-769b25246	NaN	GreenB
13	Santhana Pandi	P	https://www.linkedin.com/in/santhana-pandi-p-3...	NaN	
14	Allwín	Réx	https://www.linkedin.com/in/allw%C3%ADn-r%C3%A...	NaN	
15	Shree Krishna Kanth	S	https://www.linkedin.com/in/shree-krishna-kant...	NaN	
16	Hari Prasath	Senthil	https://www.linkedin.com/in/hari-prasath-senth...	NaN	
17	Hariharasudhan	D	https://www.linkedin.com/in/hariharasudhan-d-6...	NaN	MENM TECHNOLO
18	Harish	Mitha	https://www.linkedin.com/in/hareeshmitha	NaN	
19	Ezhilarasan	C	https://www.linkedin.com/in/ezhilarasan-c-3474...	NaN	

In [7]:

```python
# Analyzing the dataset
def analyze_connections_data(dataframe):
    # Print some basic statistics
    print("Basic Statistics:")
    print(dataframe.describe())

    # Count the number of connections in the dataset
    num_connections = len(dataframe)
    print(f"Number of Connections: {num_connections}")

    # Analyze job titles and their frequency
    job_titles_counts = dataframe['Position'].value_counts()
    print("\nJob Titles and Frequency:")
    print(job_titles_counts)


    # Analyze industries and their frequency
    industries_counts = dataframe['Company'].value_counts()
    print("\nIndustries and Frequency:")
    print(industries_counts)

# Main function
if __name__ == '__main__':
    # Assuming your dataset has columns like 'Name', 'Job Title', 'Location',
    # Replace the column names below according to your dataset if needed.
    analyze_connections_data(df)
```

```
Basic Statistics:
       Unnamed: 3
count         0.0
mean          NaN
std           NaN
min           NaN
25%           NaN
50%           NaN
75%           NaN
max           NaN
Number of Connections: 20

Job Titles and Frequency:
Security Researcher        1
Machine Learning Intern    1
Volunteer                  1
DataScience Intern         1
Name: Position, dtype: int64

Industries and Frequency:
HackerOne                1
SYNC INTERN'S            1
GreenBhumi               1
MENMOZHI TECHNOLOGIES    1
Name: Company, dtype: int64
```

Type *Markdown* and LaTeX: α^2

In [ ]: