JOB MARKET ANALYSIS

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INTRODUCTION

Here we are analyzing the Job Market Data to explore the open positions related to jobs in the field of data or machine learning in a particular region. So, we extracted the data from the website https://www.naukri.com for the position of **"Data Engineer"** in India.

A. Data Collection Method

I utilized OctoParse Web Scraper to extract job details from Naukri.com, with the tool automatically gathering the necessary information. The specifics I compiled encompassed Job Title, Company Name, Rating, Experience, Salary, Location, Type, and Skills Required.
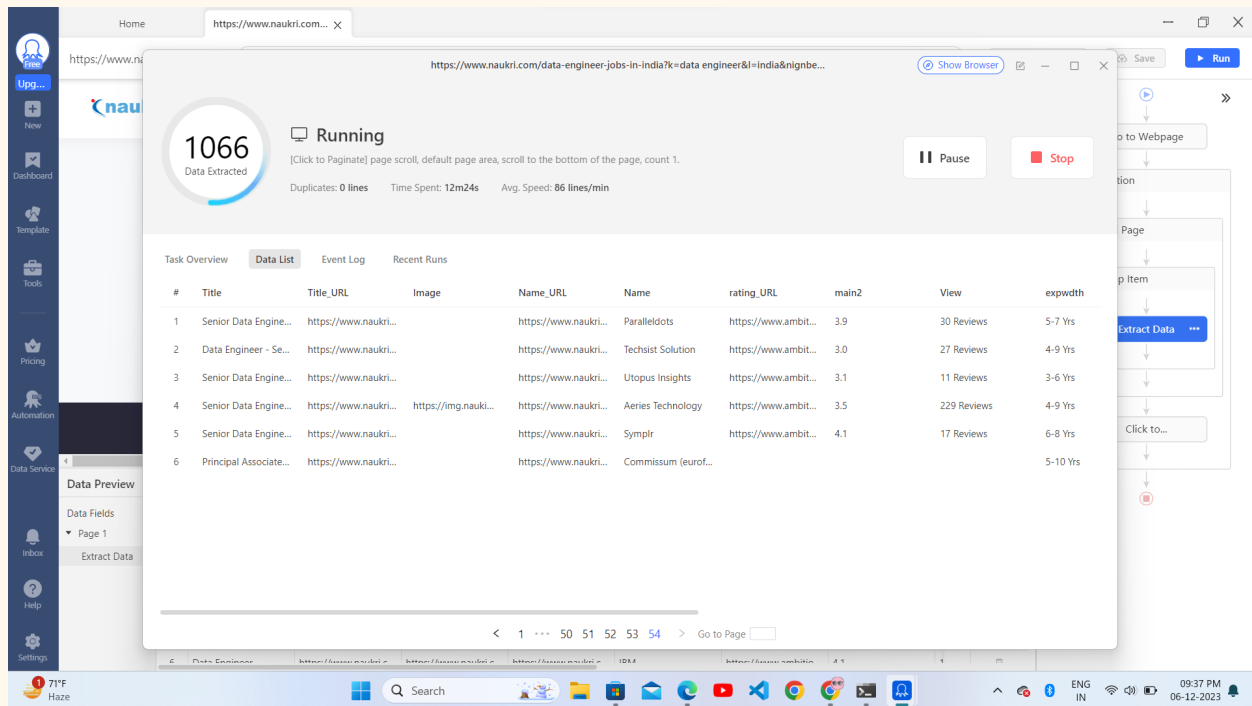
The dataset comprised a total of 1,066 job openings. To organize and streamline the information, I saved it in a CSV file. Subsequently, I performed data cleaning to ensure uniformity in job skill names, title names, and location names.

B.Market Data Visualization

I have collected the below details from the **Naukri.com** website which I prefer for applying for jobs in India.

Information Gathered	Details
Job Title	Data Engineering
Salary	Mostly "Not Disclosed"
Location	Different Cities in India
Type	Full Time, Hybrid, Remote
Skills Required	Python, SQL, ML, Tensorflow, etc
Opening Positions	Collected 1,066 positions data
Company Rating	On average 3.8

Frequency of "Company Ratings"
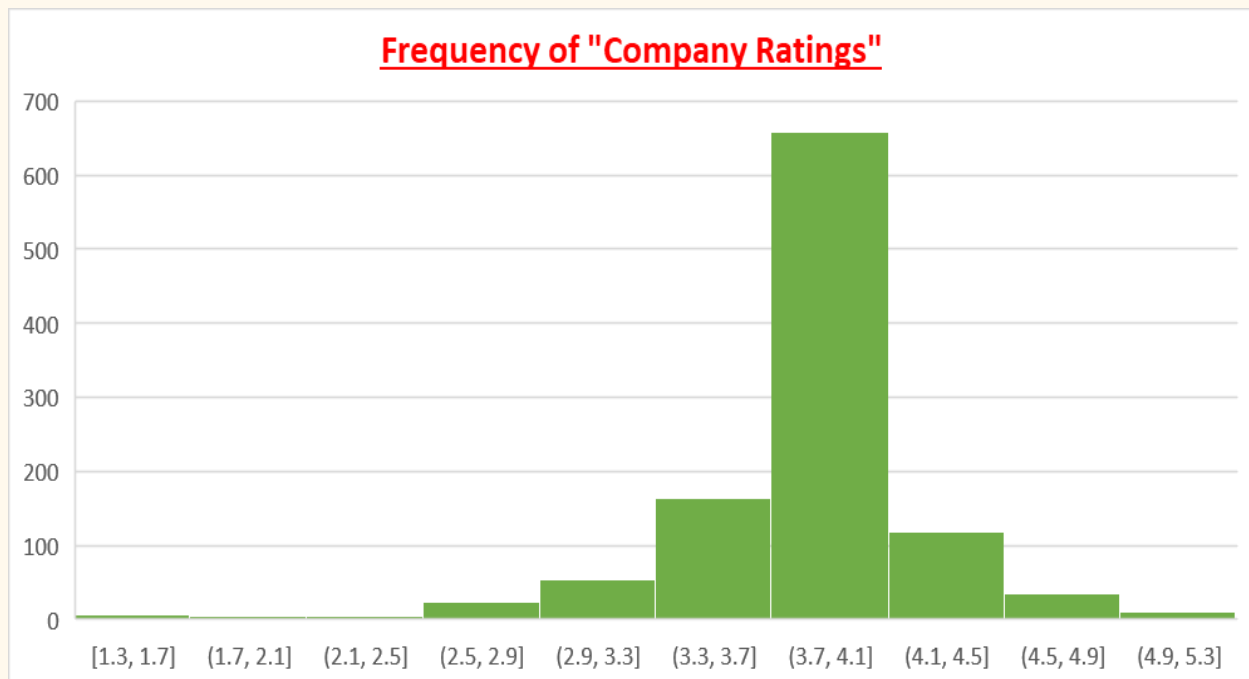
1. What kind of job roles are available?

Job Roles Available
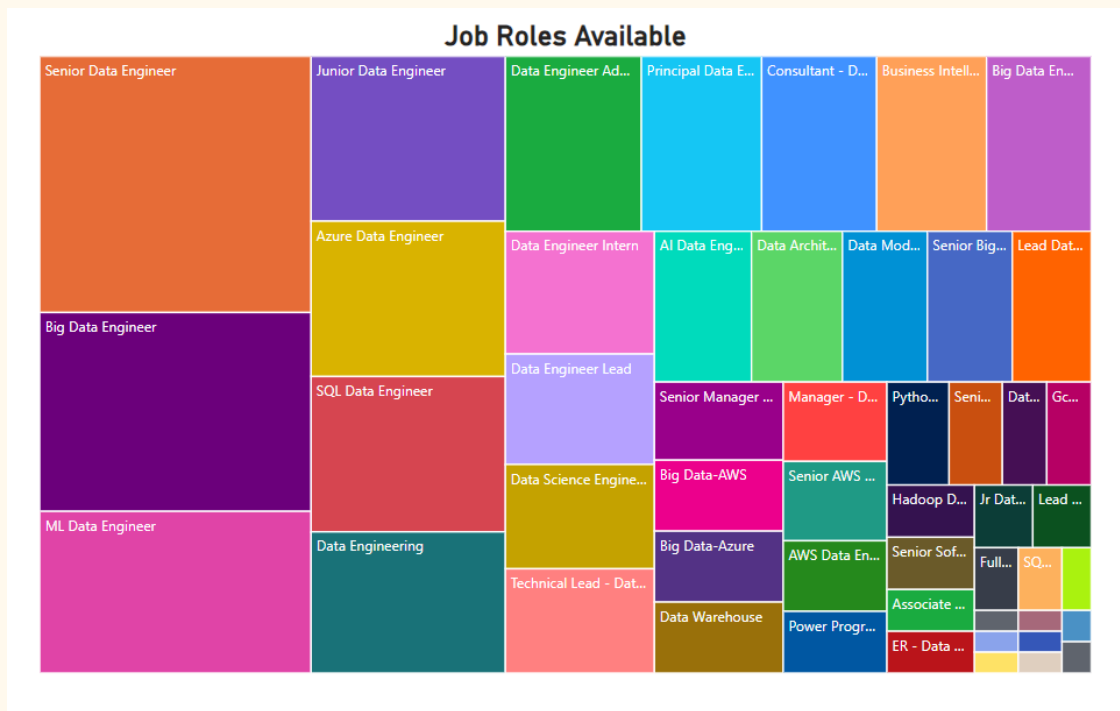
2. Which location provides a high number of jobs?

'Job Location': Bangalore appears most often.
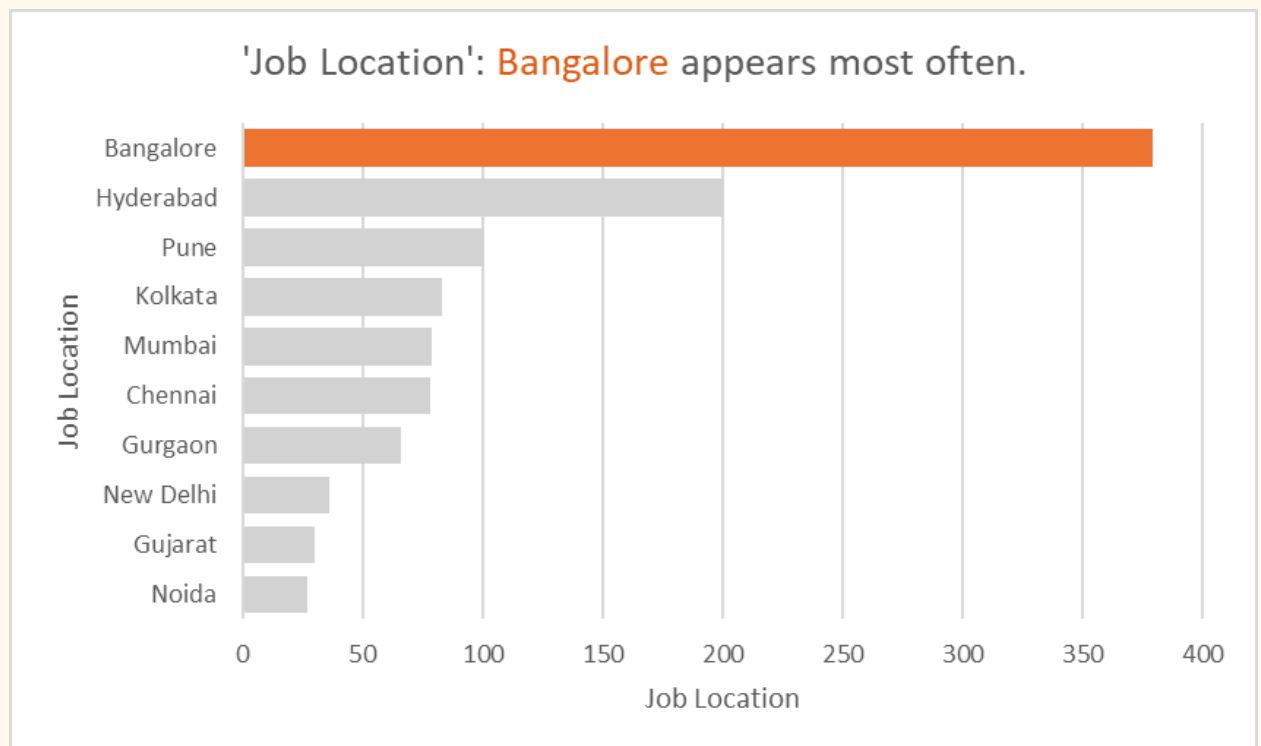
3. What kind of employment opportunities do they provide?

TYPE OF POSITION AVAILABLE

- 28, 3%
- 99, 9%
- 951, 88%

- Full Time
- Hybrid
- Remote
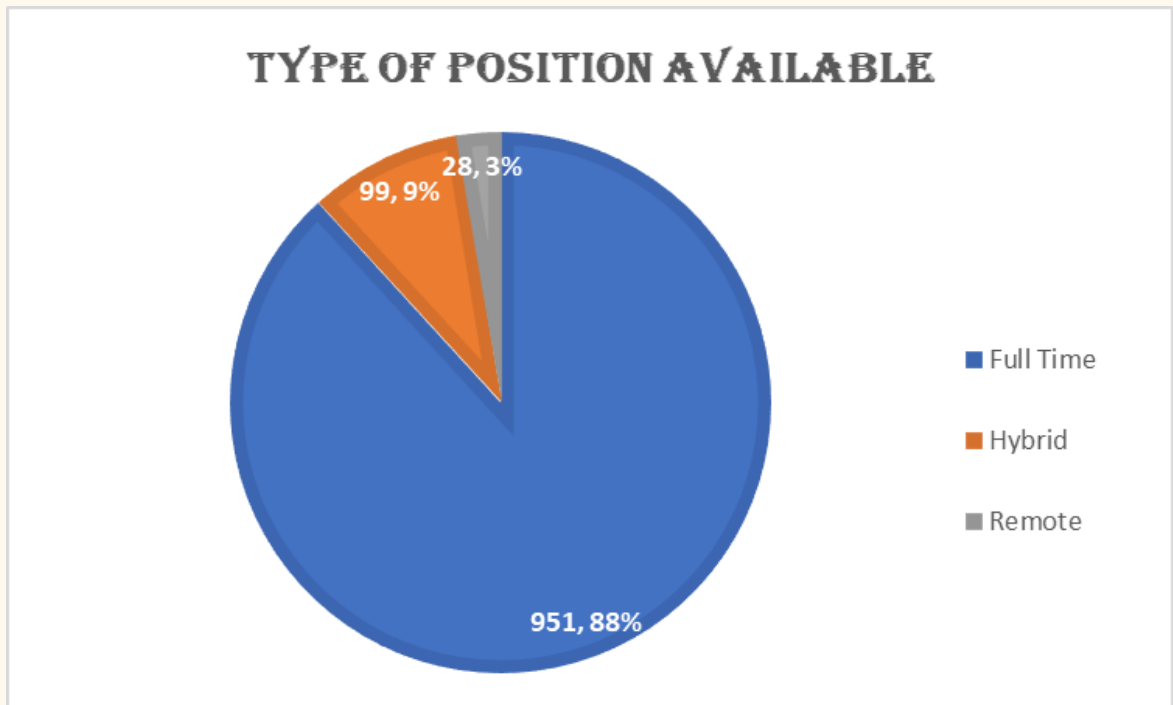
4. What are the skills required for these job roles?

Distribution of 'Skills Requried'

- Python
- TensorFlow
- SQL
- Machine Learning
- Deep Learning
- Data Analytics
- Management
- Statistics
- Artificial Intelligence
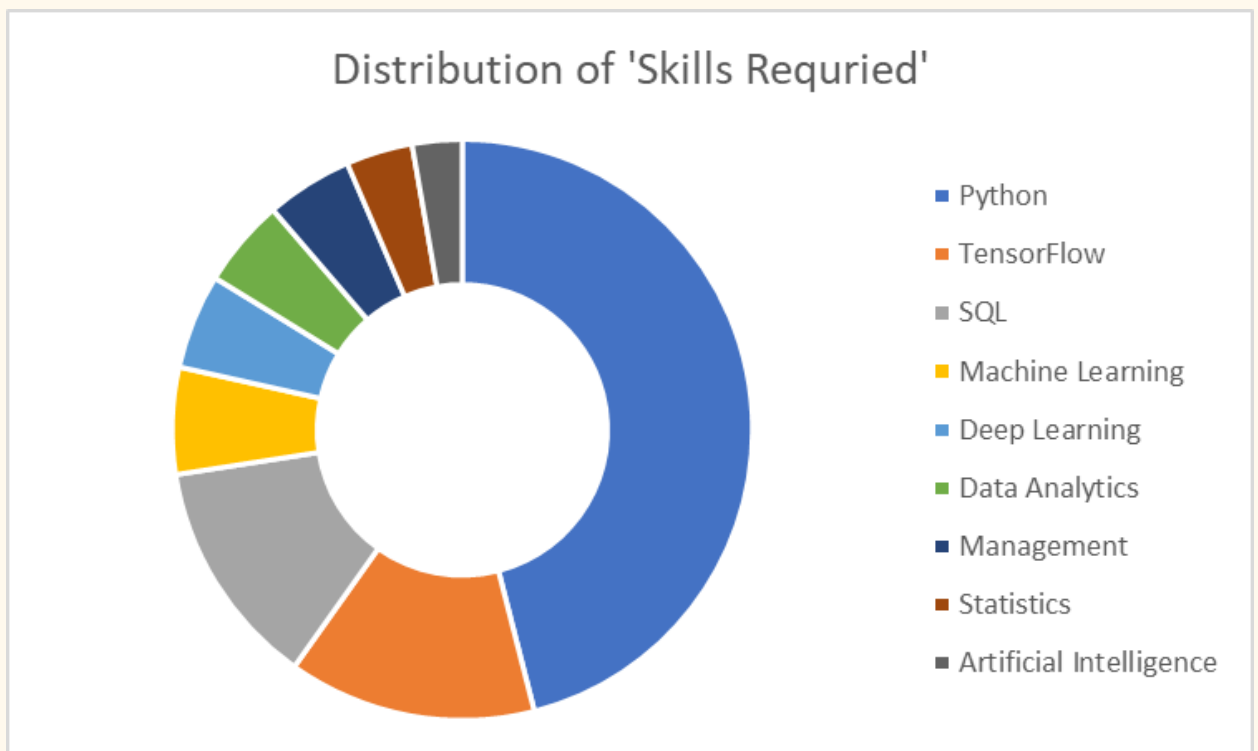
C. Your Ideal Job

I'm excited about the idea of being a Machine Learning (ML) Data Engineer, and it's great to know there are lots of job options for this in Hyderabad, where I live. This job seems interesting and challenging, which is exactly what I'm looking for, and it fits well with my career plans. The fact that Hyderabad has a buzzing tech scene makes it even more appealing, offering the perfect place for me to work on cool projects and grow in my career.

Skills I required for this Job Role:

- Python
- Machine Learning
- Statistics
- Data Analytics

Considering everything, I am confident that the position of **Machine Learning (ML)** Data Engineer at **"Google"** in Hyderabad aligns perfectly with my career goals and is the ideal choice for me.