Job Profiling Template

1. Job Title & Overview

- Job Title: Data Scientist
- Industry & Sector: IT sector
- Company Type: MNC, Startup, Government.
- Work Environment: Remote, Hybrid, On-site

  Location Preference: Coimbatore, Tamil Nadu. Chennai, Tamil Nadu.
- Career Goals:

  -Short-term: Improve proficiency in Python, SQL, and machine learning frameworks and Work on real-world datasets and build end-to-end data science projects.

  -Long-term: Focus on domains like NLP, Computer Vision, or Reinforcement Learning and Aim for Senior Data Scientist, AI Engineer, or Data Science Manager positions.

2. Key Responsibilities

- Data Collection and Cleaning.
- Exploratory Data Analysis.
- Data Visualization.
- Machine Learning & AI.
- Big Data Processing.
- Statistical Analysis.
- A/B Testing and Experimentation.

3. Required Skills & Qualifications

A. Hard Skills (Technical & Industry-Specific Skills)

- Programming Languages: Python, SQL.
- Data Processing: Pandas, NumPy.
- Data Visualization: Power BI, Matplotlib, Seaborn.
- Machine Learning: TensorFlow, PyTorch, Scikit-learn.

B. Soft Skills (Communication, Leadership, etc.)

- Problem Solving and Critical Thinking
- Communication and Storytelling with Data.
- Business Acumen & Domain Knowledge.
- Teamwork and Collaboration.

C. Educational Qualifications & Certifications:

- Bachelor's degree in Artificial Intelligence and Data Science.
- **Certifications:**
  - Google Data Analytics Certificate.
  - Microsoft Certified: Azure Data Scientist Associate.
  - IBM Data Science Professional Certificate (Coursera).

D. Experience Level:

- Fresher

4. Salary & Growth Potential

• Average Salary Range: ₹5,00,000 - ₹13,00,000

• Growth Opportunities: Junior Data Analyst, Junior Data Scientist, Data Scientist, ML Engineer, Data Science Manager, Chief Data Scientist.

5. Personal Gap Analysis & Upskilling Plan

A. Current Skills vs. Required Skills

Required Skill	My Skill Level (Beginner/Intermediate/Expert)	Plan to Improve (Courses, Training, Projects)
Python and SQL	Intermediate	Complete Advanced SQL (Mode, SQLZOO), Work on real-world projects (Kaggle datasets)
Machine Learning	Beginner	Andrew Ng's Machine Learning Course (Coursera), Implement projects on Scikit-learn
Data Visualization.	Intermediate	Create dashboards using real datasets
Big Data Tools	Beginner	Google Cloud Data Engineering Course

6. Learning & Training Plan

- Statistics & Probability
- Machine Learning & AI Fundamentals
- Feature Engineering & Model Evaluation
- Attend Data Science conferences & meetups, Engaging in LinkedIn & Kaggle discussions

7. Networking & Mentorship Plan

- Industry Professionals to Connect With: LinkedIn (Senior Data Scientists & AI Engineers)
- Mentors to Approach: Senior Data Scientist, ML Engineer.
- Networking Events to Attend: Data Science Meetups, PyCon.

8. Personal Branding & Job Search Strategy

- Resume & Cover Letter Optimization: Yes
- LinkedIn Profile Updates: Yes
- Portfolio Development: Yes
- Job Portals to Use: LinkedIn, Naukri, Glassdoor, Indeed.
- Companies to Target: Zoho, TCS, Infosys.

9. Final Steps & Timeline

Task	Deadline	Process
Complete Skill Development	6 months	Finish courses, work on real-world projects, and build expertise in Python, SQL, Machine Learning, and Data Visualization.
Build a Strong Resume & Portfolio	4 months	Create a professional resume, optimize LinkedIn, and showcase projects on GitHub/Kaggle.
Start Networking & Applying for Jobs	5 months	Connect with industry professionals, attend meetups, and apply for targeted roles.
Secure a Job Offer	6 months	Interviews and Job Applications.