### **📋 JOB DESCRIPTION – DATA SCIENTIST**

**Position**: Data Scientist  
 **Department**: [Department Name]  
 **Reports to**: [Manager’s Name or Title]

### **🎯 JOB OBJECTIVES**

* Analyze, process, and interpret complex datasets to extract valuable insights that support business decision-making.
* Build and develop predictive models and machine learning algorithms to solve real-world business problems.

### **🛠 KEY RESPONSIBILITIES**

1. **Data Collection and Processing**
   * Gather data from various sources (databases, APIs, log files, etc.).
   * Clean, preprocess, and transform data for analysis.
2. **Analysis and Modeling**
   * Apply statistical techniques and machine learning algorithms to analyze data.
   * Build, train, and evaluate predictive models (e.g., sales forecasting, customer classification).
3. **Reporting and Presentation**
   * Visualize analytical results using tools like Tableau, Power BI, or Python libraries.
   * Present findings and recommendations clearly to stakeholders.
4. **Development and Deployment**
   * Collaborate with data engineering teams to build automated data pipelines (ETL).
   * Deploy models into production environments.

### **📚 REQUIREMENTS**

1. **Education**
   * Bachelor’s or Master’s degree in Computer Science, Mathematics, Statistics, Engineering, or related fields.
2. **Experience**
   * 2–5 years of experience as a Data Scientist or in similar roles.
   * Hands-on experience with data analysis and machine learning projects.
3. **Technical Skills**
   * Proficient in at least one programming language: Python (preferred) or R.
   * Strong knowledge of Python libraries for data science: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch.
   * Skilled in SQL for data querying and manipulation.
   * Solid understanding of statistics, probability, and machine learning algorithms (regression, classification, clustering, etc.).
   * Experience with data visualization tools like Tableau, Power BI, Matplotlib, Seaborn.
   * Familiarity with big data systems such as Hadoop or Spark is a plus.
4. **Soft Skills**
   * Strong analytical and problem-solving mindset.
   * Effective communication and teamwork abilities.
   * Eagerness to learn and stay updated with new technologies.