### **Job Description**

#### **About the Role:**

* Position: **Senior AI/ML Engineer**
* Organization: **Siemens Advanta** (focused on digital transformation and industrial IoT).
* Responsibilities: Development and deployment of AI/ML software applications, collaborating with cross-functional teams, and designing data-driven solutions.

#### **Key Responsibilities:**

1. Design, develop, and implement advanced machine learning and statistical models for solving complex business problems.
2. Perform exploratory data analysis, data cleansing, and feature engineering for datasets.
3. Apply forecasting techniques using both traditional ML and deep learning models.
4. Conduct statistical analysis, hypothesis testing, and A/B testing to validate models.
5. Communicate insights through reports, presentations, and visualizations to stakeholders.
6. Understand and apply CI/CD processes in deployment and work with Dockerization and REST APIs.
7. Follow agile practices in software development.
8. Stay updated with advancements in AI/ML technologies to drive innovation.

#### **Required Skills and Qualifications:**

1. **Experience:**
   * 3+ years in AI/ML, with a proven track record of developing and implementing ML solutions.
2. **Education:**
   * B.Tech or Master’s degree in Data Science, Computer Science, Statistics, or related fields.
3. **Technical Expertise:**
   * Proficient in Python, R, or C++.
   * Familiar with AI/ML libraries: TensorFlow, PyTorch, Keras, Scikit-learn, Pandas, NumPy, etc.
   * Exposure to computer vision, NLP, or analytics tools.
   * Knowledge of Dockerization, REST APIs, and CI/CD processes.
4. **Preferred Knowledge:**
   * Industrial engineering domain experience is a plus.
5. **Soft Skills:**
   * Proactive, eager to learn new technologies, and excellent communication skills (verbal, written, presentation).

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