Job Title: Data Scientist

Client: Johnson & Johnson

Data Scientist Job Description
Job Overview
We are seeking a Data Scientist who is responsible for developing and deploy AI/ML solutions to accelerate drug discovery, optimize clinical trials, and drive commercial value across therapeutic areas.

Key Responsibilities
• Design and implement machine learning models (regression, clustering, neural networks) and Generative AI applications from data acquisition through production deployment.
• Analyze large-scale, complex datasets including Electronic Health Records (EHR), insurance claims, proteomics, and genomics data to identify biomarkers and patient patterns.
• Develop and automate scalable data processing pipelines using tools like Python, R, and SQL, often integrated with cloud stacks (AWS, Azure) or ERP systems like SAP HANA.
• Partner with clinical, medical affairs, and legal teams to translate technical insights into business strategies and ensure all AI outputs meet compliance and privacy standards.
• Communicate complex analytical results to senior leadership and, in R&D roles, publish findings in scientific journals and present at conferences.
• Support regulatory submissions and clinical trial design by generating evidence from real-world data sources.

Required Experience
• Proficiency in Python, R and SQL.
• Extensive experience with Microsoft Azure (Data Factory, Synapse, ADLS) or AWS (Redshift, S3).
• Proficiency in deep learning, NLP, and increasing Generative AI (LLM fine-tuning and validation).
• Expertise in analyzing large datasets for business insights.
• Ability to communicate complex analytics to business stakeholders.
Preferred Qualifications
• Bachelor's/master's in computer science, Data Science, Engineering, Statistics.
• Healthcare/Pharma domain exposure (Claims, EHR & Commercial Analytics).
• Familiarity with the pharmaceutical lifecycle, clinical development processes, or specific therapeutic area data is highly preferred.
• Experience with data privacy & regulatory compliance (HIPAA, GDPR).
• Strong influencing and stakeholder engagement skills.