Job Title: Data Scientist

Job Description:

We are seeking a skilled and passionate Data Scientist to join our team and help solve complex data challenges. The ideal candidate will have a strong foundation in machine learning and statistical modeling, along with practical experience applying these skills professionally. You will work closely with cross-functional teams to build, optimize, and deploy predictive models and data-driven solutions.

Your role will involve data preprocessing, feature engineering, model development, and applying machine learning algorithms to deliver actionable insights based on large and complex datasets.

Key Responsibilities:

Develop and implement predictive models using machine learning and statistical techniques.

Analyze and interpret complex datasets to drive strategic business decisions.

Clean, preprocess, and engineer features from raw data for modeling purposes.

Work with large datasets (both structured and unstructured), ensuring high data quality.

Collaborate with engineers to deploy machine learning models into production environments.

Communicate findings, insights, and model results to both technical and non-technical stakeholders.

Continuously evaluate and improve model performance through rigorous validation techniques.

Stay updated with the latest advancements in machine learning, AI, and data science.

Required Skills:

Strong proficiency in Python (Pandas, Numpy, Scikit-learn, TensorFlow, Keras).

Expertise in machine learning algorithms (regression, classification, clustering, recommendation systems, etc.).

Solid understanding of statistical analysis and exploratory data analysis (EDA).

Proficiency with SQL and NoSQL databases (e.g., MySQL, PostgreSQL, MongoDB).

Strong data visualization skills using tools like Matplotlib, Seaborn, Plotly, or Tableau.

Strong problem-solving, analytical, and critical thinking abilities.

Experience working in Agile teams and familiarity with DevOps practices for ML model deployment.

Excellent communication and presentation skills for technical and non-technical audiences.

Preferred Experience:

Graduation in Computer Science, Data Science, Statistics, or a related field.

2+ years of full-time experience in data science, machine learning, or a closely related field.

Internship experience in data science (or closely related fields) is considered, but carries less weight compared to full-time job experience.

Experience with deep learning frameworks such as TensorFlow or PyTorch.

Exposure to NLP (Natural Language Processing), computer vision techniques, and A/B testing.

Experience with statistical modeling and data-driven decision-making.

Familiarity with containerization and deployment tools like Docker and Kubernetes.

Understanding of data ethics and responsible AI practices.

Desired Attributes:

A proactive and self-driven mindset with a passion for learning and innovation.

Ability to mentor and support the growth of junior data scientists.

A collaborative team player with excellent cross-functional communication skills.

Ability to manage multiple projects in a fast-paced and dynamic environment.