Job Title: Machine Learning Engineer

Location: Remote

Job Description

We are seeking a highly skilled Machine Learning Engineer to join our fast-growing team. As a Machine Learning Engineer, you will be responsible for designing and developing machine learning models and algorithms that drive our core products and services.

Key Responsibilities:
- Collaborate with data scientists and engineers to design, develop, and deploy scalable machine learning models.
- Analyze large datasets to extract meaningful insights and develop predictive models.
- Implement, test, and maintain machine learning algorithms in Python using libraries like TensorFlow, PyTorch, and Scikit-learn.
- Work closely with the software development team to integrate models into production systems using cloud-based infrastructure such as AWS.
- Build data pipelines and ETL processes to preprocess data for machine learning applications.
- Optimize model performance and accuracy through hyperparameter tuning and feature selection.
- Stay up-to-date with the latest developments in machine learning, deep learning, and artificial intelligence.

Required Skills:
- Strong proficiency in Python and experience with machine learning libraries like TensorFlow, PyTorch, and Scikit-learn.
- Hands-on experience with data analysis and manipulation using tools like Pandas, NumPy, and SQL.
- Experience with cloud platforms (AWS, Google Cloud, Azure) for deploying and scaling machine learning models.
- Knowledge of data preprocessing techniques and feature engineering.
- Solid understanding of algorithms, data structures, and object-oriented programming.
- Familiarity with version control tools like Git.
- Excellent communication and collaboration skills.

Preferred Qualifications:
- Master's degree or higher in Computer Science, Data Science, or a related field.
- Experience with Docker and Kubernetes for containerized model deployment.
- Experience with natural language processing (NLP) techniques for text analysis.
- Familiarity with big data tools such as Apache Spark and Hadoop.
- Experience in a fast-paced startup environment.