

United International University

Center For Development of IT Professionals - (CDIP)

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Remote Career Opportunity at USA

Position: **Data Scientist**

AI/ML Model Development for Transportation Management System (TMS)

Location: Remote (Global) | **Employment Type:** Full-time | **Salary:** \$2000 - \$2500

Company Overview:

We are a **U.S.-based**, dynamic logistics company focused on delivering technology-driven solutions that enhance efficiency and optimize workflows through **AI and ML** innovations in logistics. We are seeking an experienced **Data Scientist to advance AI/ML development within our Transportation Management System (TMS).**

Position Overview:

The Data Scientist will lead the design, development, and deployment of AI and machine learning models to enhance our TMS. Responsibilities include building and optimizing models (e.g., Decision Trees, NER, LLMs, Regression, Time Series) to address logistics challenges in pricing, load consolidation, routing optimization, and demand forecasting. The role involves designing automated solutions and developing a robust data warehousing infrastructure.

Key Responsibilities:

- **Model Development:** Implement machine learning models for TMS functions, including load consolidation, lane matching, and predictive analytics.
- **Optimization:** Use predictive modeling for inventory forecasting and demand prediction; enhance data accuracy with NLP models.
- **Automation:** Build automated workflows for model deployment and develop scalable training frameworks.
- **Evaluation:** Regularly assess model performance and implement feedback for improvements.
- **Data Engineering:** Conduct data preprocessing and maintain ETL processes for data flow into TMS.

Qualifications:

- **Education:** Bachelor's degree in Data Science, Computer Science/Engineering, or related field; advanced degrees preferred.
- **Experience:** Minimum 8 years in data science or machine learning with a focus on logistics or supply chain management.
- **Industry Knowledge:** Experience with TMS and logistics operations.

Technical Skills:

- **Machine Learning:** Proficient in Decision Trees, Regression models, Time Series analysis, clustering, and dimensionality reduction.
- **NLP:** Experience with frameworks for NER and text classification; familiarity with LLMs.
- **Programming:** Proficient in Python, R, and SQL; skilled in relevant libraries (e.g., scikit-learn, TensorFlow).
- **Data Engineering:** Familiarity with data warehousing solutions and cloud platforms.
- **Automation:** Knowledge of MLOps, Docker, and CI/CD for scalable model deployment.

Preferred Skills:

- Familiarity with cloud-based ML tools (AWS SageMaker, Google AI Platform).
- Experience with big data frameworks (Hadoop, Spark) and real-time streaming (Kafka).
- Strong communication skills to convey technical concepts to stakeholders.
- Proactive problem-solving abilities to enhance logistics functions through AI/ML.

Benefits:

- Competitive salary and performance-based bonuses.
- Remote work flexibility and professional development opportunities.
- Comprehensive health and wellness benefits.
- Opportunities for upskilling in cutting-edge AI/ML techniques.

Please send your CV to office@cdip.uiu.ac.bd
