



Role: AI

About AI71:

AI71 is an industry leader in artificial intelligence, delivering innovative solutions that empower developers, businesses and governments to solve complex challenges. AI71 builds secure, enterprise-ready applications powered by cutting-edge technology—tailored for knowledge workers and sector-specific needs. AI71 bridges the gap between advanced AI and real-world impact. Guided by a strong commitment to research and responsibility, we create transformative solutions that drive progress and empower communities.

The Role:

As a Senior Machine Learning Engineer at AI71, you'll be responsible for developing, deploying, and optimizing machine learning models and systems that power our AI solutions. You will collaborate with cross-functional teams to translate business challenges into impactful AI products.

What You'll Do:

- **Model Development:** Develop, train, and deploy predictive models that enhance the capabilities of our AI solutions.
- **AI Technologies:** Work with state-of-the-art AI techniques, including Large Language Models (LLMs) and Retrieval-Augmented Generation (RAG), and apply them to real-world business contexts.
- **Cross-Functional Collaboration:** Partner with business stakeholders to understand objectives and translate them into actionable machine learning tasks.
- **Model Optimization:** Continuously monitor, evaluate, and improve models based on real-world performance and evolving business needs.

- Data Pipeline Maintenance: Implement and manage robust data preprocessing pipelines to ensure high-quality, reliable input data for model development.

What You'll Bring:

- 5+ years of experience in AI, Machine Learning, Reinforcement Learning (RL), Data Science, or a related field.
- Proven experience with Large Language Models (LLMs) and fine-tuning techniques.
- Master's or Ph.D. in AI, Data Science, Computer Science, Statistics, or a related field.
- Strong proficiency in programming languages like Python or R. Preference for candidates with a competitive coding background (e.g., ACM/ICPC, NOI/IOI, Top Coder, Kaggle).
- Expertise in machine learning frameworks (e.g., scikit-learn, TensorFlow, PyTorch), Generative AI technologies, and libraries like Langchain, Weaviate, Langgraph, LlamaIndex.
- Demonstrated success in applying data science and machine learning to solve real-world, business-critical problems.
- Excellent communication and collaboration skills with the ability to work across interdisciplinary teams.
- Strong communication, stakeholder management, and decision-making skills, with a passion for building diverse, inclusive engineering teams.

Why AI71:

- **Mission-Driven Work:** Work on cutting-edge AI applications with a talented and passionate team, solving real-world challenges in critical sectors.
- **Unparalleled Opportunity:** This is a chance to innovate and solve real-world challenges using AI at a company with unique access to world-leading models and resources.
- **Career Growth:** We offer competitive compensation, benefits, and significant career growth opportunities as a foundational member of the team.

- **World-Class Environment:** Enjoy a flexible working environment and the latest tools & technologies needed to do your best work.