

Organization Structure

Job Title	ML Engineer
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Responsibilities *

- Design and develop machine learning systems, frameworks, and applications
- Research, experiment with, and implement machine learning algorithms and tools
- Develop machine learning applications in alignment with project requirements and business goals
- Perform end-to-end development of ML models, including data preprocessing, training, and validation
- Conduct machine learning tests, statistical analysis, and model optimization to fine-tune performance
- Select appropriate datasets, data representation methods, and feature engineering techniques
- Extend existing machine learning libraries and frameworks as needed
- Collaborate with cross-functional teams, including data engineers and software developers, to integrate ML solutions into production systems
- Work closely with the engineering and leadership teams on functional design, process design, testing, and deployment of AI/ML solutions
- Mentor junior ML Engineers and share best practices for improving team efficiency and skills
- Implement and manage MLOps pipelines, including CI/CD, automated monitoring, and retraining of machine learning models

Requirement *

- At least 3+ years of experience applying AI to practical uses
- Proficiency in Python programming
- Experience with TensorFlow, PyTorch, Llama, NLP, or other deep learning frameworks and models
- Practical experience with REST API development, NoSQL database design, and RDBMS optimizations
- Strong knowledge of foundational ML concepts, including supervised and unsupervised learning, regression, classification, and clustering
- Solid understanding of algorithms, data structures, and software architecture principles
- Knowledge of statistics, probability, and optimization techniques
- Experience deploying and monitoring ML models in production environments
- Excellent problem-solving, analytical, and communication skills