

ML Training and Certification Course

Curriculum 2 Days

Lets Learn, Share & Prectice DevOps	
Day - 1	Day - 2
 Introduction to Machine Learning Definition of machine learning and its evolution 	 Unsupervised Learning Introduction to neural networks and deep learning
 Overview of the different types of machine learning 	 Overview of popular deep learning architectures, such as convolutional neural networks and recurrent neural networks
 Discussion of the potential applications of machine learning 	 Hands-on exercises in implementing deep learning algorithms using Python and
 Machine Learning Fundamentals Introduction to data preprocessing and cleaning 	 Natural Language Processing (NLP)
 Overview of supervised and unsupervised learning 	 Introduction to NLP and its applications
\circ Explanation of performance metrics, such as accuracy, precision, and recall	 Overview of popular NLP techniques, such as sentiment analysis, text classification, and named entity recognition
 Supervised Learning Introduction to supervised learning algorithms, including linear regression, logistic regression, and decision trees 	 Hands-on exercises in implementing NLP algorithms using Python and popular NLP libraries, such as spaCy and NLTK
 Hands-on exercises in implementing supervised learning algorithms using Python and popular machine learning libraries, such as Scikit-Learn 	 Model Evaluation and Tuning Introduction to model evaluation techniques, such as cross-validation and hyper parameter tuning
 Unsupervised Learning Introduction to unsupervised learning algorithms, including clustering and dimensionality reduction 	 Hands-on exercises in evaluating and fine-tuning machine learning models using Python and Scikit-Learn
	Real-World Applications
 Hands-on exercises in implementing unsupervised learning algorithms using Python and popular machine learning libraries, such as Scikit-Learn 	 Discussion of real-world use cases for machine learning, including image and speech recognition, recommendation systems, and predictive modeling
	 Overview of the ethical considerations surrounding machine learning
	 Exploration of future trends in machine learning
	 Real-World Applications Recap of key takeaways from the training sessions
	\circ Review of additional resources for further learning and development in the ML field