EdGate® TECHNOLOGIES

Intel Course Content Training Schedule

Dates	9:30 am – 1:00 pm			2:00 pm – 4:30 pm	
2/12/2024	Introduction to Intel Unnati Ecosystem and Server access	Introduction to machine learning, Supervised Learning, Classification with KNN Algorithm	LUNCH	Key concepts like under-and over-fitting, Cross Validation, and Regression	Building Simple Linear and Multi-variable Linear Regression model. Case study on Housing price sales Ames
3/12/2024	Polynomial Regression, Regularization techniques, Ridge, Lasso, Elastic Net	Gradient Descent methods, Stochastic and Mini-Batch Gradient.	H	Binary Classification, Logistic Regression, Classification Error Metrics	Multi-Class Classification using Logistic Regression on Human Activity Recognition Dataset
4/12/2024	Introduction to Unsupervised Learning, Workflow, Clustering	K-means Clusters on Wine Quality Dataset and Hierarchical Clustering Methods	BREAK	Introduction to Deep Learning, Techniques, Terminology, and Mathematics of DL.	Fundamental neural network architectures, feedforward networks
5/12/2024	Implementation of Neural network using Logic gates and Backpropagation Exercise.	Regression task using Artificial Neural Network	AK	Hand written Image Detection with Keras using MNIST Data.	Introduction to Convolution Neural Network, building a CNN to classify images in the CIFAR-10 Dataset
6/12/2024	Transfer Learning using MNIST Dataset, Various deep learning architectures.	Inference on pre-trained models		Classifying CIFAR-10 with Data Augmentation.	Hands on E2E workflow using an Image Classification problem