Machine Learning Course Schedule

Friday

Module	Topic	Time (ET)	Duration
1. Pre-Work (6-8 hrs)	Intro to the World of AI	6:00 - 8:00 PM	2 hours
	Mathematics & Statistics Behind AI	6:00 - 8:00 PM	2 hours
	AI Application Case Study #1	6:00 - 8:00 PM	2 hours
2. Python Found. (12-16 hrs)	Introduction to Python	6:00 - 8:00 PM	2 hours
	Python Introduction for Data Science	6:00 - 8:00 PM	2 hours
	AI Application Case Study #2	6:00 - 8:00 PM	2 hours
	Data Visualization	6:00 - 8:00 PM	2 hours
	Exploratory Data Analysis	6:00 - 8:00 PM	2 hours
	AI Application Case Study #3	6:00 - 8:00 PM	2 hours
3. Machine Learning (12-16 hrs)	Intro to Supervised Learning - Linear Regression	6:00 - 8:00 PM	2 hours
	Intro to Supervised Learning - Classification	6:00 - 8:00 PM	2 hours
	Decision Trees	6:00 - 8:00 PM	2 hours
	AI Application Case Study #4	6:00 - 8:00 PM	2 hours
	K-means Clustering and Support Vector Regression	6:00 - 8:00 PM	2 hours
	AI Application Case Study #5	6:00 - 8:00 PM	2 hours
4. Advanced ML (10-14 hrs)	Bagging and Random Forest	6:00 - 8:00 PM	2 hours
	AI Application Case Study #6	6:00 - 8:00 PM	2 hours
	Boosting	6:00 - 8:00 PM	2 hours
	Model Tuning and deployment for Decision Trees and Support Vector Regression	6:00 - 8:00 PM	2 hours
	AI Application Case Study #7	6:00 - 8:00 PM	2 hours

Total Course Duration: 40-54 hours

Regular Schedule: Every Friday 6:00 - 8:00 PM ET