Machine Learning Course Schedule

Saturday

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

Total Course Duration: 40-54 hours

Regular Schedule: Every Saturday 5:00 - 7:00 AM ET