

Machine Learning & AI

Machine learning is the science of getting computers to act without being explicitly programmed. In this course, you will learn about machine learning techniques, and gain practice implementing them and getting them to work for yourself

You must Know!

Duration:

40 Hours

Who should attend?

Data Analysts, Developers, Business Intelligence professionals, Data Engineers, and other roles responsible for analyzing the organization's data

Main Topics:

- What are AI/ML and key terminologies in this domain?
- Intro to Python for Machine learning
- Supervised learning
- Unsupervised learning
- NLP
- Deep learning basics

Course Modules

Module 1: What are AI/ML and key terminologies in this domain?

- Data Science pipeline
- Supervised vs. unsupervised
- Cross-Validation
- Over/underfitting
- Test train split
- Validation Data
- Applications

Module 2: Intro to Python for Machine learning

- Jupiter intro
- Pandas
- Data Visualization
- Data Pipelines

Module 3: Supervised learning

- Linear Regression
- Logistic regression
- Trees

Module 4: Unsupervised learning

- Intro to unsupervised learning
- K nearest neighbors
- What is clustering?
- K-means

Module 5: NLP

- Introduction to NLP
- Preparing textual data
- NLP models

Module 6: Deep learning basics

- Intro and history
- Neural networks
- Properties of a neural net



המרכז הבינלאומי
ללימודי הייטק וחדשנות

*6377

מתקדמים
לקריירה בהייטק

תל אביב
המרץ 2

המכללה שומרת לעצמה את הזכות לערוך מעת לעת, לפי שיקול דעתה, שינויים בתכנית הלימודים, היקף שעות הלימוד, סגל המדריכים וכד', ולא יראו בכל מידע המפורט בדפי מידע של המכללה כהתחייבות כלשהי מצד המכללה.