

Artificial Intelligence with Python

Learn "How to Trained a Machine"

Introduction to Artificial Intelligence

- What is AI?
- Definition of Artificial Intelligence
- Future scope and Job Opportunities
- How to become an AI Expert?
- Why do we need a Learn AI?
- Case Studies
- Structure of a AI Family
- Understanding AI Termnologies

Introduction to Machine Learning

- Introduction to Machine Learning
- Introduction to Supervised Learning
- Introduction to Unsupervised Learning
- Understanding the Dataset

Data Classification: SLM(Hands-on)

- Introduction to Data Classification Models
- Using KNN for Data Classification
- Deploying Anaconda
- Using Jupyter as IDE

Python

- Introduction to Python
- Libraries of Python
- Basic Syntax of Python for ML
- Training your own Machine

Data Preprocessing (Hands-on)

- Introduction to Data Pre-processing Techniques
- Data Segregation
- Data Splitting
- Data Scaling
- Data Mapping

Data Regression / Prediction: SLP (Hands-on)

- Introduction to Data Regression Model
- Introduction to Linear Regression
- Understanding the python Libraries
- Training your own Machine and Making Predictions
- Searching for Errors and BIAS

Introduction to Deep Learning: Neural Networks (Hands-on)

- Introduction to Neural Networks
- Why should we learn Neural Networks?
- Difference between SLP and MLP
- Developing your own ANN

Deep Learning: CNN(Hands-on)

- Introduction to Convolutional Neural Networks
- How CNN Works?
- Live Demonstration of CNN Classification Algorithm
- Understanding the Relation between CNN and ANN
- Train your own machine for Image Classification

Project

Project: work on Face Recognition

Thanks

For any queries
Please contact Us: