

- Python
 - Basic control flow
 - Input / Output in Python
 - Data structure and Sequence
 - Function
 - OOPs in Python
 - RE in Python
 - Numpy
 - Pandas
 - Visualization
 - SciPy
 - Scikit learn
 - Basic Text mining
 - Mini Project
- Probability and Statistics
 - Basic of Probability
 - Probability Distributions
 - CLT and confidence intervals
 - Hypothesis Testing
 - Measure of central tendency and deviation
- Machine Learning
 - Introduction to Machine Learning
 - Decision Tree
 - K nearest Neighbors (KNN)
 - Naïve Bayes
 - SVMs
 - Ensemble Learning
 - Artificial Neural Network (ANN)

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- Linear Regression
- Logistics Regression
- Feature Selection
- Sequence Labeling
- Clustering
- Dimensionally Reduction using PCA and LDA
- Architecting ML Solutions
- ML case Studies
- ML mini projects
- Visualization
- Data Collection
- Deep Learning (CNN, RNN)
- Web Mining (Introduction)
- Text Mining and Analytics
 - N-gram Models
 - Named Entity Recognition
 - Natural Language Processing
 - Sentiment Analysis
- Data Mining
 - Frequent Pattern Mining and Association Rules
 - Basic Concepts of Data Warehousing
 - Outlier Detection

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