

SKILLS COVERED

- Data Science Overview
- Math for Data Science and Machine Learning
- Introduction to Python
- Deep Dive - Functions, OOPs, Modules, Errors & Exceptions
- Compute and visualize statistics using NumPy, Pandas and Matplotlib
- Introduction to Machine Learning with Python
- Supervised Learning - Decision Trees, Random Forest Classifier, etc.
- Dimensionality Reduction
- Supervised Learning : Naive-Bayes classifier, Support Vector Machine, Hyper Parameter Optimization
- Unsupervised Learning and clustering - K means Cluster, C means Cluster, Hierarchical Clustering
- Association Rules Mining and Recommendation Systems
- Introduction to Artificial Intelligence and it's elements
- Artificial Intelligence: Reinforcement Learning
- Time Series Analysis
- Model Selection and Boosting

Software Requirements

- Anaconda and Python