SOFTWARE/HARDWARE LIST:-

Chapter number	Software required (With version)	**Hardware specifications**	OS required
1	N/A	N/A	N/A
2	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+	8 GB RAM	Windows/Linux/Mac
3	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+	8 GB RAM	Windows/Linux/Mac
4	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+	8 GB RAM	Windows/Linux/Mac
5	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+	8 GB RAM	Windows/Linux/Mac
6	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+	8 GB RAM	Windows/Linux/Mac
7	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+	8 GB RAM	Windows/Linux/Mac
8	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+	8 GB RAM	Windows/Linux/Mac
9	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+	8 GB RAM	Windows/Linux/Mac
10	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+	8 GB RAM	Windows/Linux/Mac
11	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+	8 GB RAM	Windows/Linux/Mac
12	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+ - Crab – Apache Spark 2+	8/16 GB RAM (only for Spark example)	Windows/Linux/Mac
13	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-	8 GB RAM	Windows/Linux/Mac

	Learn 0.18+ - NLTK – langdetect		
14	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+ - Gensim	8 GB RAM	Windows/Linux/Mac
15	Python 3.5+ – Keras 2+, Tensorflow 1.0+, SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+	8 GB RAM	Windows/Linux/Mac
16	Python 3.5+ – Keras 2+, Tensorflow 1.0+, SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+	8/16 GB RAM (optional GPU support)	Windows/Linux/Mac
17	Python 3.5+ –Cupy - SciPy 0.18 – Numpy 1.11+ – Matplotlib 2.0 – Scikit-Learn 0.18+	8 GB RAM (optional GPU support)	Windows/Linux/Mac