

SOFTWARE/HARDWARE LIST:-

Chapter Name	Chapter number	Software required (With version)	Hardware specifications	OS required
Introducing the Google Cloud Platform	1	Google Cloud Platform	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Google Compute Engine	2	Google Cloud Platform Google Cloud SDK, gcloud	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Google Cloud Storage	3	Google Cloud Platform	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Querying your data with BigQuery	4	Google Cloud Platform Google Cloud BigQuery Google Data Studio	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Transforming your data	5	Google Cloud Dataprep	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Essential Machine Learning	6		Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Google Machine Learning APIs	7	Google Cloud Platform	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Creating Machine Learning Applications with Firebase	8	Node.js Firebase	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Implementing a Feedforward network with TensorFlow and Keras	9	Google Cloud Datalab. Keras, TensorFlow	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Evaluating results with TensorBoard	10	TensorBoard	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Optimizing your model with HyperTune	11	Google Cloud Platform	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Preventing Overfitting with regularization	12	TensorBoard	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Beyond Feedforward networks	13	Python 3.6 Tensorflow 1.5.0 Numpy 1.14.0 Google Cloud Storage Google Cloud Shell	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux

Time series with LSTMs	14	Python 3.6 Pandas 0.22.0 Matplotlib 2.1.2 Numpy 1.14.0 Sklearn 0.19.1 Statsmodels 0.8.0	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Reinforcement Learning	15	Python 3.6 Gym 0.10.3 Numpy 1.14.0 Tensorflow 1.5.0	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Generative neural networks	16	Python 3.6 Pandas 0.22.0 Matplotlib 2.1.2 Numpy 1.14.0 Sklearn 0.19.1 Pandas_ml 0.5.0 Keras 2.1.4	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux
Chatbots	17	Google Cloud DialogFlow	Minimum 512MB RAM Disk: 5+ GB CPU: Dual core or above	Windows, Linux