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Certificate ID: s6oipp1ezy

THIS CERTIFICATE IS AWARDED TO

# **ABDULKABIR SUBAIR**

For successfully completing the following course on Pirple.com:

## **Data Mining With Python**

### **TOPICS COVERED:**

Data wrangling, cleaning data, cluster analysis, classification and regression, support vector machine, Association, Correlation, Covariance, Dimensionality Reduction, Apache Spark, Map, FlatMap, Spark-ML, Transformers, Estimators, Pipelines, Text Mining, Network Mining, Python Matrix Libraries, SQL Database Mining, Natural Language Processing, Text Cleaning, Count Vectorizer, TFIDF, and pipelining.

