



This document certifies that

Nenne Nwodo

Successfully passed the IBM Academic Certificate exam and earned the title

Big Data Specialist with IBM BigInsights V2.1

A handwritten signature in black ink, appearing to read 'Takreem'.

Takreem El-Tohamy
General Manager
IBM Middle East and Africa

20 November 2015

UNIQUE ID **3183-1448-0207-9440**

A handwritten signature in black ink, appearing to read 'N. Attia'.

Dr Naguib Attia
Chief Technology Officer
IBM Middle East and Africa