ARCADA

No. Y51-8013

Okorie Ndifreke Sunday
[redacted]

has today obtained a

Master's Degree in ENGINEERING

Name of the Degree: **Master of Engineering/ Ingenjör (högre YH)**

A list of the extent and grades of individual courses is appended to this certificate.

Helsinki, June 3rd, 2022

Mona Forsskåhl
Rector

Henrika Franck
Dean

ARCADA

No. Y51-8013

Supplementary sheet 1

Degree Programme: Big Data Analytics

Okorie Ndifreke Sunday
[redacted]

Modules/Courses	Extent (cr)	Grade
BIG DATA ANALYTICS		
Introduction to Analytics	5	2
Machine Learning for Predictive Problems	5	4
Machine Learning for Descriptive Problems	5	3
Visual Analytics	5	5
Big Data Analytics	5	3
Analytical Service Development	5	4
MASTER'S THESIS AND RESEARCH SEMINARS	30	Good (3)
Dataset Imbalance treatment with re-samplers pipeline		

A Master's degree from a university of applied sciences carries the same privileges as a university Master's degree (the government decree on higher education examination system 426/2005, 10 §).

The minimum extent of the degree is 60 credits (cr).

The annual workload of 1600 hours is worth 60 credits according to the European Credit Transfer and Accumulation System (ECTS).

The Degree Programme in Big Data Analytics is conducted as full-time studies.

The achievements in the degree certificate are assessed as accomplished or graded as 1-2 (satisfactory), 3-4 (good) and 5 (excellent).

The Master's thesis is graded as Satisfactory (1 or 2), Good (3 or 4) or Excellent (5).

Helsinki, June 3rd, 2022

Henrika Franck
Dean