

VERIFIED

CERTIFICATE of ACHIEVEMENT



This is to certify that

Mallikharjuna Surya Vallabhaneni

successfully completed and received a passing grade in

IntroData.x: Big Data for Smart Cities

a course of study offered by IEEEEx, an online learning initiative of Institute of Electrical and Electronics Engineers through edX.

A handwritten signature in blue ink, appearing to read 'S. K. Ramesh'.

S.K. Ramesh

Vice President, Educational Activities Board

IEEE

A handwritten signature in blue ink, appearing to read 'Yannis Velegarakis'.

Yannis Velegarakis

Director, Data Management Group

University of Trento

A handwritten signature in blue ink, appearing to read 'Sabeur Aridhi'.

Sabeur Aridhi

Department of Computer Science

Aalto University



VERIFIED CERTIFICATE
Issued July 20, 2016

VALID CERTIFICATE ID
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