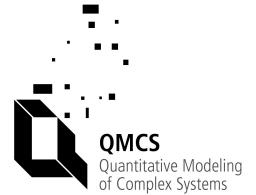


University of Cologne

Universität zu Köln • Albertus-Magnus-Platz • 50923 Köln

Shashwata Ganguly
University of Cologne

Cologne,
September 25, 2020



**Competence Area 3:
Quantitative Modeling
of Complex Systems**

Speaker:
Prof. Dr. Joachim Saur

Coordinator:
Christian Fischer

**Institute of Geophysics
and Meteorology**
Pohligstraße 3
50969 Köln

Certificate of Attendance for the Virtual Summer School
Deep Learning for Language Analysis

Participant: Shashwata Ganguly
Date: August 31 – September 4, 2020

To whom it may concern,

This is to certify that Shashwata Ganguly participated in the track '*Deep Learning with Audio & Speech Data*' of the Virtual Summer School '*Deep Learning for Language Analysis*'. The summer school took place as a virtual event at the University of Cologne, Germany, from August 31 to September 4, 2020. The school's program consisted of an introduction to machine learning for the analysis of natural languages as well as hands-on programming sessions dealing with more specific questions from the field.

The summer school was organized by the Competence Area 3: *Quantitative Modeling of Complex Systems*, the Center for Data and Simulation Science, the Department for Digital Humanities, the Cologne Center for eHumanities and the Data Center for the Humanities of the University of Cologne.

Best regards,

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

Christian Fischer
(for the local organizing committee)