

Issued: 2023-11-24

Certificate ID: awogc09wvd

The logo for 'miuul' is displayed in a bold, black, lowercase sans-serif font. The background of the entire certificate features a complex, light gray geometric pattern of overlapping lines and dots, creating a sense of depth and movement.

THIS CERTIFICATE IS AWARDED TO

**Zeynep Güney**

Has pursued studies and completed all the requirements

**Big Data Processing with Apache Spark**

A stylized, handwritten signature in black ink, which appears to read 'Vahit', is positioned above a thin horizontal line.

**Vahit Keskin**

Co-Founder and CEO Miuul