# *Verified*
## Certificate

**ColumbiaX**

This is to certify that

**Varun Gyanchandani**

successfully completed and received a passing grade in

**DS102X: Machine Learning for Data Science and Analytics**

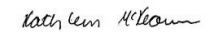a course of study offered by ColumbiaX, an online learning initiative of Columbia University.

**Kathy McKeown**
Director of the Data Science Institute
Henry and Gertrude Rothschild Professor of Computer Science
*Columbia University*

**Patricia Culligan**
Associate Director of the Data Science Institute
Professor of Civil Engineering
*Columbia University*

**Garud Iyengar**
Professor of Industrial Engineering and
Operations Research, Chair of the Department
*Columbia University*

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Issued September 16, 2022

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