

# VERIFIED

CERTIFICATE *of* ACHIEVEMENT

ColumbiaX

*Matei Ciocarlie*

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Assistant Professor of Mechanical Engineering  
Department of Mechanical Engineering

*Columbia University*

This is to certify that

**Ashish Jaiswal**

successfully completed and received a passing grade in

**CSMM.103x: Robotics**

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



VERIFIED CERTIFICATE  
Issued December 17, 2018

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