VERIFIED
CERTIFICATE *of* ACHIEVEMENT

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UNIVERSITY *of* PENNSYLVANIA

Chris Murphy
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This is to certify that

Ramandeep Bhagat

successfully completed and received a passing grade in

SD4x: Programming for the Web with JavaScript

a course of study offered by PennX, an online learning initiative of the University of Pennsylvania through edX.

edX

VERIFIED CERTIFICATE
Issued September 14, 2017

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60b5e9c91c144ea7bbeff96be5778cbc