

VERIFIED

CERTIFICATE *of* ACHIEVEMENT



A handwritten signature in black ink, appearing to read 'E. Baniassad'.

Dr. Elisa Baniassad
Instructor

University of British Columbia

A handwritten signature in black ink, appearing to read 'Gail Murphy'.

Dr. Gail Murphy
Professor, VP Research and Innovation
University of British Columbia

This is to certify that

pavneet singh tiwana

successfully completed and received a passing grade in

SoftConst1x: Software Construction: Data Abstraction

a course of study offered by UBCx, an online learning initiative of The University of British Columbia.



VERIFIED CERTIFICATE
Issued July 25, 2019

VALID CERTIFICATE ID
[6cdf9e12be46466eade0bbcee11ed0f3](https://courses.edx.org/certificates/6cdf9e12be46466eade0bbcee11ed0f3)