

Professional Certificate

This is to certify that

Hai Nam PHAM

successfully completed all courses and received passing
grades for a Professional Certificate in

Deep Learning

a program offered by IBM, in collaboration with edX.



A handwritten signature in black ink, appearing to read "Rav Ahuja".

Rav Ahuja
Global Program Director
IBM
IBM



PROFESSIONAL CERTIFICATE
Issued December 2025

VALID CERTIFICATE ID
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