



Mar 26, 2024

**Ghufran Barcha**

has successfully completed

**Building Deep Learning Models with TensorFlow**

an online non-credit course authorized by IBM and offered through Coursera

Three handwritten signatures in black ink, appearing to be of Alex Akison, Romeo Kienzler, and Samaya Madhavan.

Alex Akison  
Romeo Kienzler  
Samaya Madhavan

**COURSE  
CERTIFICATE**



Verify at:

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Coursera has confirmed the identity of this individual and their participation in the course.