



JOHNS HOPKINS  
UNIVERSITY

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Arham Topiwala

has successfully completed

Chatbots

an online non-credit course authorized by Johns Hopkins University and offered through  
Coursera

A handwritten signature in black ink that reads "Ian McCulloh".

Ian McCulloh  
AI Portfolio Manager  
Lifelong Learning, School of Engineering

COURSE  
CERTIFICATE



Verify at:  
<https://coursera.org/verify/BZBR8XJS0AHX>

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