



This is to certify that

## Abdan Syakura

successfully completed and received a passing grade in

## Text Sentiment Analysis using Caikit and Hugging Face

(GPXXOPYAEN, provided by IBMSkillsNetwork)

A course on cognitiveclass.ai Powered by IBM Developer Skills Network.

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Doug Davis

Doug Davis

Technical Offering Manager - Code Engine IBM February 29, 2024

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