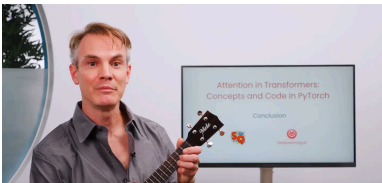


**Kaushik Acharya, congratulations on completing
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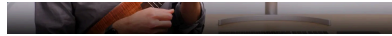
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Short Course

Attention in Transformers: Concepts and Code in PyTorch

Understand and implement the attention mechanism, a key element of transformer-based LLMs, using PyTorch.



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✓ Introduction

Video · 6 mins



✓ The Main Ideas Behind Transformers and Attention

Video · 4 mins



✓ The Matrix Math for Calculating Self-Attention

Video · 11 mins



✓ Coding Self-Attention in PyTorch

Video with Code Example · 8 mins



✓ Self-Attention vs Masked Self-Attention

Video · 14 mins



✓ The Matrix Math for Calculating Masked Self-Attention

Video · 3 mins



✓ Coding Masked Self-Attention in PyTorch

Video with Code Example · 5 mins



✓ Encoder-Decoder Attention

Video · 4 mins



✓ Multi-Head Attention

Video · 2 mins



✓ Coding Encoder-Decoder Attention and Multi-Head Attention in PyTorch

Video with Code Example · 4 mins



✓ Conclusion

Video · 1 min



✓ Appendix – Tips and Help

Code Example · 1 min

