

## Part 3/3:

# Backpropagation and Learning

- 17. Loss Function Definition
- 18. Chain Rule
- 19. Backpropagation Algorithm Derivation
- 20. Computational Graph
- 21. Gradient Calculation Example
- 22. Automatic Differentiation (Autograd)
- 23. Mini-batch Gradient Descent
- 24. Implementation Tips and Debugging
- 25. PyTorch/TensorFlow Hands-on