## Machine Learning with TensorFlow

NISHANT SHUKLA KENNETH FRICKLAS, SENIOR TECHNICAL EDITOR

/M MANNING SHELTER ISLAND

## brief contents

PARTI	YOUR MACHINE-LEARNING RIG	1
	<ul><li>1 • A machine-learning odyssey 3</li><li>2 • TensorFlow essentials 25</li></ul>	
PART 2	CORE LEARNING ALGORITHMS	51
	3 • Linear regression and beyond 53	
	4 m A gentle introduction to classification 71	
	5 • Automatically clustering data 99	
	6 • Hidden Markov models 119	
PART 3	THE NEURAL NETWORK PARADIGM	133
	7 • A peek into autoencoders 135	
	8 • Reinforcement learning 153	
	9 • Convolutional neural networks 169	
	10 • Recurrent neural networks 189	
	11 • Sequence-to-sequence models for chatbots 201	
	12 • Utility landscape 223	