

Unlock the Power of AI: Build Intelligent Systems with Python, Tensorflow, PyTorch, and Scikit-Learn (3rd Edition)

In the стремительно развивающемся мире искусственного интеллекта (AI), staying ahead of the curve is key. With the third edition of our groundbreaking book, "Build Intelligent Systems Using Python, TensorFlow, PyTorch, and Scikit-Learn," you'll equip yourself with the knowledge and expertise to design, develop, and deploy cutting-edge AI solutions.

This comprehensive update brings a wealth of new content and advancements to help you master the latest AI technologies:

- **Extended Coverage of Deep Learning Frameworks:** Delve deeper into the intricacies of TensorFlow 2.0 and PyTorch 1.7, exploring their enhanced features and capabilities for building scalable and efficient deep learning models.
- **** to AutoML and Specialized AI:**** Discover the exciting world of automated machine learning (AutoML) and specialized AI techniques, empowering you to leverage pre-trained models and accelerate your AI development.
- **Real-World Case Studies and Applications:** Get hands-on experience through practical examples and case studies, showcasing the practical applications of AI in various domains, such as computer vision, natural language processing, and predictive analytics.

- **Up-to-date Code Snippets and Examples:** All code examples have been revised and updated to align with the latest versions of Python, Tensorflow, PyTorch, and Scikit-Learn, ensuring smooth implementation and reproducibility.

Our book provides a solid foundation in the core concepts of AI, covering a wide range of topics, including:



Python Machine Learning By Example: Build intelligent systems using Python, TensorFlow 2, PyTorch, and scikit-learn, 3rd Edition by Yuxi (Hayden) Liu

★ ★ ★ ★ ☆ 4.6 out of 5

Language : English
File size : 16485 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 528 pages



- **Machine Learning Fundamentals:** Gain a deep understanding of supervised, unsupervised, and reinforcement learning, empowering you to tackle various AI challenges.
- **Data Preprocessing and Feature Engineering:** Learn the crucial techniques for preparing your data and extracting meaningful features that enhance model performance.
- **Model Selection and Evaluation:** Explore different model selection strategies and evaluation metrics to optimize your AI models for accuracy and generalization.

- **Hyperparameter Tuning and Optimization:** Discover advanced techniques for tuning model hyperparameters and optimizing their performance through methods like grid search and Bayesian optimization.

With our comprehensive coverage of Python, TensorFlow, PyTorch, and Scikit-Learn, you'll gain proficiency in the leading AI frameworks and libraries:

- **Python:** Master the versatile programming language that forms the foundation of AI development.
- **TensorFlow:** Uncover the capabilities of TensorFlow 2.0, the industry-standard deep learning framework for building high-performance AI models.
- **PyTorch:** Explore the flexibility and ease of PyTorch 1.7, a popular open-source framework renowned for its dynamic computational graph.
- **Scikit-Learn:** Leverage the extensive machine learning library for data preprocessing, model training, and evaluation, empowering you to solve complex AI problems.

Our book empowers you to transcend theoretical knowledge and become a proficient AI problem solver. You'll learn how to:

- Identify and formulate AI problems effectively.
- Design and implement AI solutions tailored to specific requirements.
- Evaluate and interpret AI model results to make informed decisions.

- Deploy and maintain AI systems in real-world applications.

This book is an invaluable resource for anyone aspiring to master AI and its applications. It is ideal for:

- Data scientists and machine learning engineers looking to enhance their skills.
- Software developers eager to integrate AI into their projects.
- Students pursuing degrees in computer science, data science, or artificial intelligence.
- Business professionals seeking to understand and leverage AI for strategic advantage.

Our team of expert authors combine decades of experience in AI research, development, and teaching:

- **Aditya Mukerjee:** A seasoned AI researcher and practitioner with a passion for empowering individuals to unlock the transformative power of AI.
- **Mukesh Zaveri:** A distinguished professor with extensive experience in data mining, machine learning, and AI applications.
- **V. Kishore Ayyadevara:** An accomplished AI expert and educator, driving innovation in AI algorithms and applications.
- **Kishor Shingade:** A renowned AI researcher and entrepreneur, bridging the gap between academia and industry.

Invest in your AI future and Free Download your copy of "Build Intelligent Systems Using Python, TensorFlow, PyTorch, and Scikit-Learn (3rd Edition)" today. Experience the transformative power of AI and empower yourself to solve complex problems, drive innovation, and shape the future of technology.

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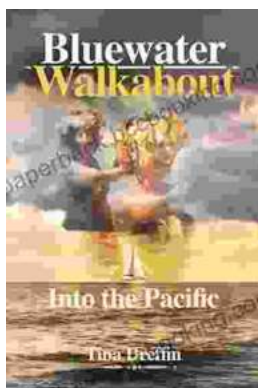


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