

Type	Title	Author/Institution	Contents	Level	URL
Online Course	AI Python for Beginners	Andrew Ng, Stanford University	Python basics, API programming	Beginner	Link
Online Course	Machine Learning	Andrew Ng, Stanford University	Supervised and unsupervised learning, best practices	Intermediate	Link (Audit)
Online Course	Deep Learning	Andrew Ng, Stanford University	Deep Learning	Intermediate	Link (Audit)
eBook	Deep Learning with Python	François Chollet	Deep learning concepts, neural networks, Keras	Intermediate	Link (Free chapter previews)
Online Course	Intro to Deep Learning with PyTorch	Udacity, Facebook AI	Deep learning fundamentals with PyTorch	Intermediate	Link
Online Course	Introduction to Artificial Intelligence with Python	Harvard University	Search algorithms, knowledge representation, ML, neural networks	Beginner to Intermediate	Link (Audit)
Book	Hands-On Large Language Models: Language Understanding and Generation	Jay et al.	LLM basics with most intuitive explanations	Beginner to Intermediate	Link
Course	Generative AI for Beginners	Microsoft	Generative AI intro	Beginner to Intermediate	Link
Course	Hugging Face Agents Course	Hugging Face	Agents intro	Beginner to Intermediate	Link
Online Course	Elements of AI	University of Helsinki	Introduction to AI, methods, applications, ethics	Beginner	Link
Online Course	Python for Everybody	University of Michigan	Python basics, data structures, web scraping, databases	Beginner	Link (Audit)
Online Course	Data Analysis with Python	IBM	Data analysis with Python, NumPy, Pandas	Beginner	Link (Audit)
Online Course	Machine Learning with Python	IBM	ML with Scikit-learn: classification, regression, clustering	Beginner to Intermediate	Link (Audit)
Tutorial	Google's Python Class	Google	Python basics, strings, lists, sorting, dicts, files, regex	Beginner	Link
Tutorial	NumPy Tutorial	W3Schools	Introduction to NumPy, arrays, operations	Beginner	Link
Tutorial	Pandas Tutorial	W3Schools	Introduction to Pandas, dataframes, series, operations	Beginner	Link
Open Course	Introduction to Machine Learning	MIT OpenCourseWare	Lecture notes, assignments on ML topics	Intermediate to Advanced	Link
Open Course	Artificial Intelligence	MIT OpenCourseWare	Lecture notes, assignments on AI topics	Intermediate to Advanced	Link
Open Course	Introduction to Computer Science and Programming in Python	MIT OpenCourseWare	Python programming, computational thinking	Beginner	Link
Online Course	Computer Vision Basics	University at Buffalo, Coursera	Image processing, feature detection, image matching	Beginner	Link (Audit)
Tutorial	Natural Language Processing with Python	NLTK	Text processing, classification, tagging, parsing	Beginner to Intermediate	Link
Jupyter Notebooks, Slides	Introduction to Machine Learning	Ali Sharifi, Sharif University	Classical ML, Deep Learning, CV and NLP	Intermediate	Link
eBook	Python Crash Course	Eric Matthes	Python basics, data structures, file I/O	Beginner	Link (Sample chapters free)
eBook	Think Python: How to Think Like a Computer Scientist	Allen B. Downey	Python programming, algorithms, debugging	Beginner	Link
eBook	Automate the Boring Stuff with Python	Al Sweigart	Practical Python: automation, web scraping, working with files	Beginner	Link
eBook	Introduction to Machine Learning with Python	Andreas C. Müller, Sarah Guido	ML basics with Scikit-learn: classification, regression, clustering	Beginner to Intermediate	Link (Free via some libraries or promotions)
eBook	Neural Networks and Deep Learning	Michael Nielsen	Neural network fundamentals, backpropagation, deep learning	Intermediate	Link
eBook	Computer Vision: Algorithms and Applications	Richard Szeliski	Image processing, feature detection, recognition	Intermediate to Advanced	Link (Draft version free)
eBook	Natural Language Processing with Python	Steven Bird, et. al.	NLP basics, text processing, linguistic analysis	Beginner to Intermediate	Link