S/N	Online AI Course	Provider	Level	Prerequisites	Specialization	Type	Duration
1	Elements of AI	University of Helsinki & MinnaLearn	Beginner (Non-Technical)	None	AI Fundamentals & Building AI	Free with Certificate	6 weeks (5-10 hours / week)
2	AI for Everyone	DeepLearning.AI / Andrew Ng (Coursera)	Beginner	None	AI Literacy, Ethics, Business Strategy	Free to Audit	6hrs
3	Introduction to Generative AI	Google Cloud Skills Boost	Beginner	None	Generative AI: Basics, principles, prompt design, prompt tuning and multimodal AI	Free	8 hrs (Google skill badge)
4	AI 101 with Brandon Leshchinskiy	MIT OpenCourseWare	Beginner	None	Intro to AI	Free	40 mins
5	AI and Algorithms	MIT OpenCourseWare	Intermediate	Python, Statistics and Linear Algebra, Intro to AI	Intro to ML, NLP, AI Algorithms	Free	
6	Machine Learning Crash Course	Google for Develo/s	Beginner–Intermediate	None	ML with TensorFlow	Free	15 hours
7	Introduction to AI	IBM (Coursera)	Beginner	None	AI concepts, ML, DL, LLMs, NLP, computer vision, ethics	Free to Audit	10 hours
8	Building AI Chatbots Without Programming	IBM (Coursera)	Beginner	None	Designing and deploying AI chatbots using IBM watsonx Assistant	Free to Audit	14 hours
9	Google AI Essentials Specialization	Google (Coursera)	Beginner	None	AI fundamentals for productivity & ethics	Free to Audit	4 hours
10	CS50's Introduction to Artificial Intelligence with Python	Harvard (OpenCourseWare)	Intermediate	CS50x or at least one year of ex/ience with Python	Python-based AI	Free to audit	Seven weeks (10 - 30 hrs / week)
11	Introduction to Deep Learning (MIT 6.S191)	MIT (OpenCourseWare and IAP bootcamp)	Advanced	None	Deep Learning, NLP, Computer Vision	Free	20hrs
12	Artificial Intelligence	MIT OpenCourseWare			AI reasoning, search, constraints, architecture, neural nets	Free	24hrs

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13	Practical Deep Learning for Coders v5	fast.ai	Advanced	Coding ex/ience	Deep learning for CV, NLP, tabular data, deployment	Free	~13.5hrs + optional part 2 (~30hrs)
14	ChatGPT Prompt Engineering for Developers	DeepLearning.AI + OpenAI	Intermediate	None	Prompt Engineering for LLMs	Free	1.5hrs
15	Generative AI for Everyone	DeepLearning.AI	Beginner	None	Generative AI tools, prompt engineering, ethics	Free to Audit	4hrs
16	IBM SkillsBuild AI Modules	IBM	Beginner	None	AI foundations and applications	Free (Earn an IBM skill badge)	10 hours
17	AI for All: From Basics to GenAI Practice	NVIDIA Online Academy	Beginner	None	AI basics, GenAI	Free with Certificate	2.5 hrs
18	Building RAG Agents with LLMs	NVIDIA Online Academy	Technical - Intermediate	Intermediate Python ex/ience, Introductory deep learning knowledge (PyTorch and transfer learning)	Generative AI/LLM	FREE FOR LIMITED TIME	8 hrs
19	Generative AI Explained	NVIDIA Online Academy		None	Generative AI/LLM	Free	2hrs
20	An Even Easier Introduction to CUDA	NVIDIA Online Academy	Introductory	Writing, compiling and running C or C++ code	Accelerated Computing	Free	1hr
21	TensorFlow 2.0 Complete Course - Python Neural Networks for Beginners Tutorial	freeCodecamp	Introductory	Python programming	TensorFlow 2.0 and Python neural networks	Free	7hrs
22	Generative AI Full Course – Gemini Pro, OpenAI, Llama, Langchain, Pinecone, Vector Databases & More	freeCodecamp	Beginner	None	Generative AI tools, prompt engineering, ethics	Free	30+ hrs
23	Intro to Artificial Intelligence	Stanford University (Udacity)	Intermediate	None	AI fundamentals, AI applications	Free	16 weeks (6 hours a week)

S/N	Online AI Course	Provider	Level	Prerequisites	Specialization	Type	Duration
24	AIoT Foundations	Udacity (in collaboration with Bosch)	Intermediate	Baseline knowledge of AI and IoT concepts	AI + Internet of Things	Free	2 months (6-10hrs/week)
25	AI Fundamentals	Microsoft (Udacity)	Beginner	Familiarity with high-level AI concepts Basic understanding of cloud concepts (Azure, ML workflows)	AI workflow for Azure	Free	16 hrs
26	Introduction to Machine Learning with Azure	Microsoft (Udacity)	Beginner–Intermediate	None	ML fundamentals + Azure tooling	Free	22 hours
27	Intro to Machine Learning	Udacity	Intermediate	Python, basic statistics & linear algebra	Supervised & unsupervised learning with Python	Free	65hrs hrs total
28	Machine Learning Interview Preparation	Udacity	Intermediate–Advanced	ML fundamentals, programming skill	ML interview prep: algorithms, problem-solving, mock interviews	Free	4hrs
29	AWS Machine Learning Foundations	AWS (Udacity)	Beginner–Intermediate	None (basic Python helpful)	ML fundamentals using AWS (SageMaker, DeepRacer, etc.)	Free	11hrs
30	Data Science Interview Preparation	Udacity	Intermediate	Python, SQL, statistics, ML basics	Python & SQL practice, ML questions, behavior insights, mock interview	Free	6hrs
31	Intro to Data Analysis	Udacity	Intermediate	Basic Python	Data cleaning, exploration, visualization with Python	Free	20hrs
32	Agentic AI and AI Agents: A Primer for Leaders	Vanderbilt University (Coursera)	Beginner	None	Differentiating AI agents vs automation; building simple custom GPTs; practical decision frameworks	Free to audit	5hrs
33	Data Analysis with R	Udacity	Beginner–Intermediate	None	Exploratory Data Analysis + visualization using R	Free	23hrs
34	Data Structures & Algorithms Interview Prep	Udacity	Intermediate–Advanced	Programming experience and basic Data Structures and Algorithms knowledge	Practical interview problems and review	Free	2hrs
35	Secure and Private AI	Udacity (in partnership with Facebook AI)	Advanced	ML/DL knowledge, PyTorch, and Python	Federated Learning, Differential Privacy, Encrypted ML	Free	120hrs (8hrs)

S/N	Online AI Course	Provider	Level	Prerequisites	Specialization	Type	Duration
36	Sample-based Learning Methods	University of Alberta	Intermediate	Python, basic math (linear algebra, probability, and calculus), familiarity with Reinforcement learning concepts	Reinforcement learning	Free to audit	22hours
37	Ethics of AI	University of Helsinki	Beginner	None	AI ethics, transparency and accountability	Free (certificate and university credit)	-
38	AI Technology for Marketing Optimization	Davidson College and Galileo University (edX)	Beginner to Intermediate (designed for marketing professionals)	None	AI for marketing. Applications of predictive analytics, real-time optimization, natural language processing (NLP), and neural networks.	Free to audit	3 weeks, 3-5 hours a week
39	The Future of Work: Preparing for Disruption	World Bank Group (edX)	Beginner	None	How A.I., automation, advanced technologies and new businesses are changing the world.	Free to audit	5 weeks, 3-5 hours a week
40	Machine Learning I Building Large Language Models (LLMs)	Stanford University Online	Beginner-Intermediate	None	Building a ChatGPT-like model, covering both pretraining (language modeling) and post-training (SFT/RLHF)	Free	~2hrs
41	Language Modeling from Scratch	Stanford University Online	Beginner-Intermediate	None	AI modelling, LLM	Free	~1hr
42	Overview of Transformers	Stanford University Online	Beginner-Intermediate	None	History of NLP, Transformers and how they work, and their impact	Free	~1hr
43	On the Biology of a Large Language Model	Stanford University Online (Josh Batson of Anthropic)	Beginner-Intermediate	None	NLP, The physics of LLMs: shedding light on AI hallucination, planning, reasoning, (un) faithfulness, and emergent capabilities	Free	~1hr

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44	Generative AI for Healthcare (Part 1): Demystifying Large Language Models	Stanford University	Beginner-Intermediate	None	Introduces healthcare professionals to large language models (LLMs) like ChatGPT	Free	~1hr
45	Become an AI-Powered People Manager	LinkedIn Learning	Beginner	None	Generative AI for management. AI for business	Free	~1hr
46	Everyday AI concepts	LinkedIn Learning	Beginner	None	Key AI concepts for business	Free	~1hr
47	Introduction to Artificial Intelligence	LinkedIn Learning	Beginner	None	Human-AI collaboration and engaging with AI systems effectively	Free	2hrs
48	AI Fluency: Framework & Foundations	Anthropic	Beginner	None	Learn to collaborate with AI systems effectively, efficiently, ethically, and safely	Free	3-4hrs
49	Prompt Evaluation	Anthropic (GitHub)	Advanced	None	Workflow implementation with the Anthropic API	Free	-
50	Real-world Prompting	Anthropic (GitHub)	Advanced	Experienced developers, prompt engineering basics	Prompt engineering	Free	-
51	Prompt Engineering Interactive Tutorial	Anthropic (GitHub)	Advanced	Experienced developers, prompt engineering basics	Prompt engineering	Free	-
52	Artificial Intelligence for Beginners	Microsoft	Beginners	None	TensorFlow and PyTorch, AI ethics, Neural networks, Neural architecture, Genetic algorithms and multi-agent systems	Free	12 weeks
53	Introduction to AI for Business Users	Microsoft Learn	Beginners	None	AI in Power BI & Power Platform for business insights and automation	Free	2hrs
54	Machine Learning for Beginners	Microsoft (GitHub)	Beginners	None	Classic ML: regression, classification, clustering, NLP, time-series, RL	Free	12 weeks
55	Data Science for beginners	Microsoft (GitHub)	Beginners	Basic computer skills; editor or notebook familiarity	Python data manipulation, visualization, data science lifecycle, generative AI module	Free	10 weeks

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56	Generative AI for Beginners (Version 3)	Microsoft (GitHub)	Beginners	Basic coding skills + GitHub account; optional cloud/API setup	21 lessons on gen-AI: LLMs, prompt engineering, app building, agents, open-source, fine-tuning, UX, security	Free	Self-paced
57	AI Agents for Beginners	Microsoft (GitHub)	Beginners	Python 3.12+, GitHub account; Azure optional	Agentic AI: design patterns, tool use, RAG, multi-agent, productio	Free	Self-paced
58	Model Context Protocol (MCP) for Beginners	Microsoft (GitHub)	Beginner	Basic knowledge of C#, Java, or Python Understanding of client-server model and APIs (Optional) Familiarity with machine learning concepts	Learn MCP with Hands-on Code Examples in C#, Java, JavaScript, Python, and TypeScript	Free	Self-paced
59	Microsoft Azure AI Fundamentals: Computer Vision	Microsoft Learn	Beginner	Basic ability to navigate the Azure portal, Prior exposure to cloud concepts and client-server apps is helpful	Computer Vision, Facial Recognition, OCR via Azure Cognitive Services	Free	2hrs
60	Deep Learning (An MIT Press book)	Ian Goodfellow and Yoshua Bengio and Aaron Courville	Advanced	Applied Maths	Machine learning basics, Deep learning research	Free	-
61	Sora Tutorials	OpenAI	Beginner	Access to Sora (via ChatGPT Plus/Pro)	AI video creation & editing: storyboard, recut, remix, blend, loop	Free	1–3 min per tutorial
62	Introduction to ChatGPT Edu: Your AI-Powered Academic Companion	OpenAI	Beginner	None	Deploying and adapting ChatGPT Edu campus-wide; teaching, tutoring, admin; productivity	Free	~1 hour
63	Intro to AI for K-12 Educators	OpenAI	Beginner	None	Foundational AI literacy for teaching & classroom use	Free	~1 hour
64	Organization and Automation: Managing Time and Tasks with AI	OpenAI	Beginner	None	AI-driven time and task management; custom GPTs and agentic automation	Free	~18 mins

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65	Intro to OpenAI API	codecademy	Beginner	None	Intro to OpenAI GPT API: endpoints, prompts, controlling output	Free to audit	<1hr
66	Learn How to Use AI for Coding	codecademy	Beginner	None (Basic programming knowledge is helpful)	Prompt-based coding assistance and AI-driven development pipelines	Free	~1 hour
67	Generative AI on AWS: Creating Intelligent Chatbots	codecademy	intermediate	Prior familiarity with cloud services, Some understanding of AI concepts and Python or other scripting	Context-aware conversations, sentiment analysis, and integration with high-security standards.	Free	1hr
68	Using OpenAI APIs: Accessing OpenAI APIs from Python	codecademy	Beginner	None	How to integrate OpenAI's chat and completions APIs using Python and cURL	Free with certificate	2hrs
69	Intro to AI Transformers	codecademy	Intermediate	Hugging face, PyTorch and neural networks	Transformer fundamentals; GPT-2 text generation; BERT sentiment analysis	Free	2hrs
70	Applied AI: Building NLP Apps with Hugging Face Transformers	LinkedIn Learning	Intermediate	General ML and deep learning understanding, Knowledge of NLP concepts, Proficiency in Python, Jupyter Notebooks, and frameworks.	Building NLP apps: QA, summarization, generation, model fine-tuning, deployment	Free	~1hr
71	AI Text Summarisation with Hugging Face	LinkedIn Learning	Advanced	Solid understanding of AI/ML fundamentals, Comfortable with Python programming	Full-text summarization: extractive & abstractive, model pipelines, fine-tuning	Free	2hrs
72	AI: MLOps Tools: MLflow and Hugging Face	edX	Beginner	Basic familiarity with machine learning concepts and Python programming. This AI course is part of a professional certificate series	MLflow, Hugging Face, foundational instruction on CI/CD, containerization	Free to audit	4 weeks (3–6 h/week)
73	Open Source Models with Hugging Face	DeepLearning.ai	Beginner	None	Building multimodal AI apps using open-source models + deployment	Free	2hrs

S/N	Online AI Course	Provider	Level	Prerequisites	Specialization	Type	Duration
74	Hugging Face MCP course	Hugging Face	Intermediate	Basic understanding of AI and LLM concepts. Familiarity with software development principles and API concepts. Experience with Python or TypeScript	Model Context Protocol: theory, SDK use, integrations, project-based	Free	5 weeks (~5hrs/week)
75	Prompt Engineering for Everyone	Code Signal	Beginner	None	Introduction to Prompt Engineering., Text modification (summarization, tone/style preservation), Advanced strategies (chain-of-thought, system prompts, iterative prompting)	Free	5hrs
76	Introduction to Robotics	Stanford University	Intermediate	Solid understanding of linear algebra and matrix operations. Familiarity with dynamics, algorithmic thinking, and basic engineering/math principles .	Spatial descriptions, Forward & inverse kinematics, Jacobians and robot dynamics, Motion planning and trajectory generation, Control strategies, Manipulator design fundamentals	Free	19hrs
77	Artificial Intelligence for Robotics	Stanford University (Udacity)	Intermediate	Programming experience, preferably in Python, Math proficiency, especially linear algebra, probability, and Bayes' theorem .	Probabilistic inference / localization, Search & planning algorithms, Tracking & PID control, Simultaneous Localization and Mapping (SLAM)	Free	8 weeks (~6 hours per week)
78	Robotics Foundations I - Robot Modeling	University of Napoli Federico (edX)	Intermediate	Linear algebra, Calculus, Physics, Python programming	Coordinate transformations, Forward/inverse kinematics, Jacobians, Trajectory planning	Free to audit	8 weeks

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79	Introduction To Robotics	MIT OpenCourseWare	Intermediate	Foundational mechanical engineering knowledge	Robot mechanisms & kinematics, Dynamics of multi-body systems, Motion planning & control, Sensors, actuators, embedded systems, and simulation	Free	1hr
80	MIT 6.S087: Foundation Models & Generative AI	MIT OpenCourseWare	Beginner	None	Generative AI, ChatGPT, Neural Networks, Supervised Learning, RI, Foundational AI Models	Free	47 mins
81	Future of AI	MIT	Beginner	None	Stable-Diffusion & Dall-E, Generative AI, GANs (adversarial), Contrastive Learning	Free	