

SKILLS



ARTIFICIAL INTELLIGENCE (AI) has

been around since the 1950s, but today's Al researchers use cutting-edge tech like deep learning (aka, neural networks), Natural Language Processing (NLP), and image processing (used in self-driving cars). Highly spectrometers
Programmi
Designing at that can learn specific direct
Research, a criticial think

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NEEDED	RELEVANT JOB TITLES	# COURSES THAT ADDRESS TOPIC AREA	# INSTRUCTORS QUALIFIED IN TOPIC AREA
modeling techniques/tools ding the statistical basis of algorithms ing (Python or other ML language) ely with data scientists to ensure rning technology delivers results for ation	Data Scientist Machine Learning Engineer Al Engineer Marching Learning Researcher Machine Learning Developer Data Engineer	8	7
e databases using SQL oard tools and design effective istical tools to maintain data fective, clear charts that inform, confuse, decision makers	Business Analyst Data Analyst Data Scientist Data Engineer Quantitative Analyst Project Manager	10	18
nd manage clusters of networked gh availability of the cluster d how cyber security issues can affect ing using enterprise languages, such as ala	Data Scientist Data Engineer Data Analyst Security Engineer Database Manager Data Architect	2	31
the decision-making process cisions, think creatively, analyze, and nformed and justifiable decisions ad uncertainty with data criteria alternatives skills/tools like emotional intelligence, t techniques, decision trees, diagrams,	Relevant to anyone responsible for decision-making in an organization.	1	8
nodeling techniques/tools ding the statistical basis of algorithms ing (Python or other ML language) ely with data scientists to ensure rning technology delivers results for ition	Data Analyst Database Architect Data Visualization Engineer Data Visualization Scientist Data Engineer	6	7
cialized by area of research and niche ing and writing code for machines and developing machines and systems in and apply knowledge without ction. analytical, organizational, and king skills	Machine Learning Engineer Data Scientist Business Intelligence Developer Research Scientist Big Data Engineer/Architect Software Engineer	3	15