

AI/ML Upskilling Journeys For Your Staff



5	Define Goals & Use Cases	Building a Skillset Team	Data Collection & Preparation	Infrastructure & Tools	Model Development & Planning	Model Evaluation & Refinement	Integration & Deployment	Monitoring & Maintenance	Specialized Advanced Topics	
Data Scientist	Defining & Scoping Data Science ProjectsTopics Include: translate business problems to data science tasks, scoping the project, data flow, creating and executing project plan	ng & Data Science Job Roles Topics Include: understanding of the Data Scientist, Data Engineer, Machine Learning Engineer and DevOps and Architect roles in data related work	Data Engineering, ETL & DataOpsTopics Include: Apache Spark, Pandas, Seaborn, DataOps pipelines and environmentmanagement	Applied Data Science & Practical Machine Learning (Data Scientist-specific customization) Topics Include: data science life cycle, SageMaker, training/evaluating/deploying ML models, AWS AutoML and auto-sklearn environment, H2O, neural networks and deep learning			Defining Acceptance Criteria for ML Topics Include: machine learning for product managers, defining business objectives,	Generative Al Engineering Topics Include: LLM's, fie tuning LLM's, fie tuning LLM's, integrating LLM in software and data engineering tools, chatbot, case studies and real-		
С МL Engineer				Data Science using Python Topics Include: Jupyter Notebook, NumPy, Pandas and Data Visualization in Python, data repairing/normalizi	Machine Learning, M Best Practice	Neural Networks Topics Include: chine Learning, Model, Feature Engineering, Tensorflow and Keras, Best Practices and Natural Language Processing (NLP)		prioritizing requirements in machine learning projects, best practices	world applications	
Software Engineer				ng'/splitting, scikit- learn, Random Forest and The k-Means Algorithm			API Management Fundamentals Topics Include: Mule Soft Anypoint Studio, Monolith vs Microservices Design, AWS API Gateway, Azure API management	Tools for Monitoring Al/ML Topics Include: Key Metrics, Monitoring for quality and security, model drift, regulations		



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Data Engineer	Defining & Scoping Data Science Projects Topics Include: translate business problems to data science tasks, scoping the project, data flow, creating and executing project plan	Data Science Job Roles Topics Include: understanding of the Data Scientist, Data Engineer, Machine Learning Engineer, Data Analyst, Al Engineer and DevOps and Architectroles in data related work	Data Engineering, ETL & DataOps Topics Include: Apache Spark, Pandas, Seaborn, pipelines and environment management	Applied (D data science AWS AutoML an	Data Science & Pi ata Scientist-spec Topics e life cycle, SageMaker, tra d auto-sklearn environmen	Tools for Monitoring Al/ML Topics Include: key metrics, monitoring for quality and security, model drift, regulations			
Analyst			Tableau/ Power Bl & DataOps	Seminar on DS/ML Trends Topics Include: evolution of data science, ML,	Data Science using Python Topics Include: NumPy, Pandas & Seaborn, data repairing/normalizing, scikit-learn algorithm	Defining Acceptance Criteria for ML			Prompt Engineering: Techniques & Best Practices
ि Manager				major trends, c ase studies, c urrent R&D and upcoming developments		for product managers, defining business objectives, prioritizing requirements in machine learning projects, best practices	Leading Al/ML Projects Topics Include: project lifecycle, tools & technologies, case studies		Topics Include: Al Language models and prompt engineering, restricting answers to your document corpus, generating data and images, language translation

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