AI/ML Upskilling Journeys For Your Staff

WEB AGE SOLUTIONS

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

ML Engineer

Software 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, AI Engineer and DevOps and Architect roles in data related work

Data Engineering, ETL & DataOps

Topics Include: Apache Spark, Pandas, Seaborn, DataOps pipelines and environment management

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

Data Science using Python

Topics Include: Jupyter Notebook, NumPy, Pandas and Data Visualization in Python, data repairing/normalizing/splitting, scikit-learn, Random Forest and The k-Means Algorithm

Neural Networks

Topics Include:
Machine Learning, Model, Feature Engineering, Tensorflow and Keras, Best Practices and Natural Language Processing (NLP)

API Management Fundamentals

Topics Include: Mule Soft Anypoint Studio, Monolith vs Microservices Design, AWS API Gateway, Azure API management

Defining Acceptance Criteria for ML

Topics Include: machine learning for product managers, defining business objectives, prioritizing requirements in machine learning projects, best practices

Tools for Monitoring AI/ML

Topics Include: Key Metrics, Monitoring for quality and security, model drift, regulations

Generative AI Engineering

Topics Include: LLM's, fie tuning LLM's, integrating LLM in software and data engineering tools, chatbot, case studies and real-world applications

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Data Engineer

DevOps & Architect

Analyst

Manager

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Tools for Monitoring AI/ML

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Tableau/ Power BI & DataOps

Seminar on DS/ML Trends

Topics Include: evolution of data science, ML, major trends, case studies, current R&D and upcoming developments

Data Science using Python

Topics Include: NumPy, Pandas & Seaborn, data repairing/normalizing, scikit-learn algorithm

Defining Acceptance Criteria for ML

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Leading AI/ML Projects

Topics Include: project lifecycle, tools & technologies, case studies

Prompt Engineering: Techniques & Best Practices

Topics Include: AI Language models and prompt engineering, restricting answers to your document corpus, generating data and images, language translation