

Bootcamp

Learning path

This learning path is to get learners familiar with the program

[Go to learning path](#)

What you'll learn

- ✓ Implement AI techniques to enhance DevOps operational efficiency and automate responses to common IT problems.
- ✓ Utilize containerization tools like Docker and Kubernetes to build, deploy, and scale cloud-native applications across various platforms.
- ✓ Develop and deploy generative AI applications using large language models and understand their lifecycle, including data gathering, model selection, and performance evaluation.
- ✓ Apply agile methodologies using Jira Software Cloud to manage projects and improve team productivity through continuous configuration and administration.

Skills you'll gain

Artificial Intelligence and Machine Learning (AI/ML) | Machine Learning Methods | Applied Machine Learning | Business Process Automation

Agile Project Management | Amazon Elastic Compute Cloud | [View all skills](#)

Learning path content

Complete the following content and you'll be awarded a certified badge that you can proudly share with your network.



A Atlassian

Version Control with Git

Skills you'll gain: Git (Version Control System), Version Control, Graphical Tools, Collaborative Software, Command-Line Interface, Software Configuration Management, GitHub, Bitbucket, Code Review

Course



A Atlassian

Agile with Atlassian Jira

Skills you'll gain: Jira (Software), Kanban Principles, Agile Methodology, Query Languages, Issue Tracking, Sprint Planning, Scrum (Software Development), Continuous Improvement Process, User Story, Software Versioning, Administration, Sprint Retrospectives, Lean Methodologies, Configuration Management, Agile Project Management, Project Management, Backlogs, Workflow Management

Course



G Google Cloud

Introduction to Generative AI

Skills you'll gain: Generative AI, Google Cloud Platform, Deep Learning, Machine Learning Methods, Natural Language Processing, Artificial Intelligence

Course



D DeepLearning.AI

ChatGPT Prompt Engineering for Developers

Skills you'll gain: Application Development, Large Language Modeling, Prompt Engineering, ChatGPT, OpenAI, LLM Application

Course

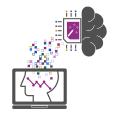


D A Multiple educators

Generative AI with Large Language Models

Skills you'll gain: Generative AI, Large Language Modeling, Prompt Engineering, Reinforcement Learning, PyTorch (Machine Learning Library), Performance Tuning, Applied Machine Learning, Natural Language Processing, Python Programming, Machine Learning, Scalability, Responsible AI

Course



M Microsoft

Microsoft Power Platform Fundamentals

Skills you'll gain: Microsoft Power Automate/Flow, Business Process Automation, Data Integration, Power BI, No-Code Development, Application Design, Microsoft Power Platform, Dashboard, Workflow Management, Customer Engagement, Business Process, Data Analysis Software, Data Analysis, Data Visualization, Microsoft 365

Course



I IBM

Databases and SQL for Data Science with Python

Skills you'll gain: SQL, Pandas (Python Package), Data Manipulation, Data Analysis, Relational Databases, Databases, Jupyter, Stored Procedure, Python Programming, Query Languages, Transaction Processing

Course



I IBM

Introduction to Data Engineering

Skills you'll gain: Data Pipelines, Extract, Transform, Load, Data Warehousing, Data Architecture, Data Security, SQL, Data Governance, Data Store, NoSQL, Apache Spark, Relational Databases, Big Data, Apache Hadoop, Data Science, Data Lakes, Databases

Course



I IBM

Python Project for Data Engineering

Skills you'll gain: Python Programming, Web Scraping, Data Manipulation, Extract, Transform, Load, Data Pipelines, Application Programming Interface (API), SQL, Data Processing, Unit Testing, Code Review, Style Guides, Data Transformation, Databases, Data Integration, Integrated Development Environments

Course



A Amazon Web Services

AWS Cloud Practitioner Essentials

Skills you'll gain: Cloud Computing, Amazon Web Services, Cloud Security, Amazon Elastic Compute Cloud, Serverless Computing, Amazon S3, Data Storage, Cloud Management, Cloud Infrastructure, Cloud Computing Architecture, Cloud Services, Public Cloud, Databases, Data Migration, Network Architecture, Scalability

Course



A Amazon Web Services

DevOps on AWS: Code, Build, and Test

Skills you'll gain: DevOps, Continuous Deployment, Continuous Integration, Git (Version Control System), Application Deployment, Software Testing, Development Environment, Version Control, Amazon Web Services, Continuous Delivery, CI/CD, Test Automation

Course





IBM

Introduction to Containers w/ Docker, Kubernetes & OpenShift

Skills you'll gain: Kubernetes, Containerization, Istio, OpenShift, Docker (Software), Command-Line Interface, Microservices, Cloud-Native Computing, YAML, DevOps, Scalability, Application Deployment, CI/CD

Course

Coursera

[About](#)
[What We Offer](#)
[Leadership](#)
[Careers](#)
[Catalog](#)
[Coursera Plus](#)
[Professional Certificates](#)
[MasterTrack® Certificates](#)
[Degrees](#)
[For Enterprise](#)
[For Government](#)
[For Campus](#)
[Become a Partner](#)
[Social Impact](#)

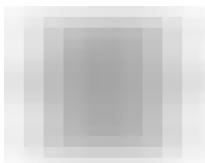
Community

[Learners](#)
[Partners](#)
[Beta Testers](#)
[Blog](#)
[The Coursera Podcast](#)
[Tech Blog](#)

More

[Press](#)
[Investors](#)
[Terms](#)
[Privacy](#)
[Help](#)
[Accessibility](#)
[Contact](#)
[Articles](#)
[Directory](#)
[Affiliates](#)
[Modern Slavery Statement](#)
[Manage Cookie Preferences](#)

Learn Anywhere



Follow Us

© 2025 Coursera Inc. All rights reserved.

