



4 Courses

Python Essentials for MLOps

DevOps, DataOps, MLOps

MLOps Platforms: Amazon  
SageMaker and Azure ML

MLOps Tools: MLflow and  
Hugging Face



May 16, 2025

**Atena Jafari Parsa**

has successfully completed the online, non-credit Specialization

# MLOps | Machine Learning Operations

The student has successfully completed the Specialization, laying a strong foundation in Python fundamentals, MLOps principles, data management, and the deployment of machine learning models in production environments. The student acquired hands-on experience with Amazon Sagemaker, AWS, Azure, MLflow, and Hugging Face, developing their ability to create end-to-end ML solutions, pipelines, and APIs. The student has also learned to: apply exploratory data analysis techniques; use AI pair programming and GitHub Copilot; train, optimize, and deploy ML models on Amazon SageMaker and Azure ML; design full MLOps pipelines with MLflow, managing projects, models, and tracking system features; and deploy Large Language Models and containerized models using the ONNX format with Hugging Face.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Noah Gift

Noah Gift, Executive in  
Residence in the Duke  
Social Science Research  
Institute

Alfredo Deza, Adjunct  
Assistant Professor in  
the Pratt School of  
Engineering

Verify this certificate at:

<https://coursera.org/verify/specialization/VUMQFDP1V0TF>