



4 Courses

Python Essentials for MLOps

DevOps, DataOps, MLOps

MLOps Platforms: Amazon SageMaker and Azure ML

MLOps Tools: MLflow and Hugging Face



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Arafat Rahman

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 ASD/2024

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

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

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