



3 Courses

Developing Explainable AI  
(XAI)

Interpretable Machine  
Learning

Explainable Machine  
Learning (XAI)



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**Utthan Singh Roy**

has successfully completed the online Specialization

## Explainable AI (XAI)

In this Specialization, learners developed essential skills in Explainable AI (XAI) and Interpretable Machine Learning. They gained a deep understanding of key concepts such as integrating explainability into AI models to enhance transparency, trust, and ethical decision-making in high-risk domains. Learners mastered the implementation of interpretable models, including regression models, decision trees, and neural networks in Python, as well as advanced techniques like LIME, SHAP, and saliency maps. Additionally, they explored cutting-edge explainability approaches for large language models (LLMs) and generative computer vision models. Throughout the course, learners addressed critical issues like system robustness, privacy, and ethical considerations in AI development.

Brinnae Bent, PhD  
Executive in Residence,  
Master of Engineering  
in Artificial Intelligence  
Duke University Pratt  
School of Engineering

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