

## Skills Mastered Through This Course

Skills acquired during the completion of this course

- Data preprocessing and cleaning techniques
- Statistical analysis and modeling techniques
- Programming languages such as Python and R
- Data visualization tools and techniques
- Algorithm development and implementation
- Deep learning and neural networks
- Evaluation and validation of machine learning models
- Techniques for feature engineering and selection
- Understanding of supervised and unsupervised learning methods
- Strategies for handling imbalanced datasets.

Soft skills acquired during the completion of this course

- Project management techniques through the completion and delivery of large projects.
- Communication skills through the ability to effectively communicate complex technical concepts to peers working on different elements of the project.
- Adaptability through the ability to quickly adapt to new technologies, frameworks, and programming languages.
- Time management skills through the completion of projects on time.