

Program Highlights:

- Comprehensive Data Science Coverage
- Hands-on Python and Data Manipulation
- Expertise in Machine Learning and Model Evaluation
- Unsupervised Learning and Feature Engineering
- Incorporation of Time Series and Deep Learning

Projects Covered:

- Sales Forecasting Using Time Series Data
- Customer Segmentation Using Clustering Techniques
- Building a Chatbot with Neural Networks
- Customer Churn Prediction using KNN
- Movie Recommendation System Using Matrix Factorization
- Building a Social Media Dashboard using matplotlib and seaborn
- Exploratory Data Analysis on a Large Dataset (Census)
- AI-Powered Personalized Marketing Recommendation
- AI-Powered Healthcare Diagnosis System using neural networks

Tools & Resources:

- Windows OS: Windows / Linux.
- Interpreter: Python 3.9 and above
- Development Tools: Google colab, Jupyter notebook

Program Outcome:

- Ability to write efficient, readable and sustainable python Code
- Proficiency in debugging Python programs for ML applications
- Ability to interoperate with various Machine Learning Algorithms
- Ability to develop sustainable ML application
- Ability to build Deep Learning models using Keras