Banking using Artificial Intelligence

AI-Powered Fraud Detection, Credit Default Forecasting, and Intelligent Customer Support

Introduction

Quantum leaps in productivity have been achieved throughout supply and value chains through the effective application of artificial intelligence in a variety of industries. Predictive engines, chatbots, smart assistants, recommender systems, and classifiers are examples of artificial intelligence applications. Nowadays, recommender systems are capable of recommending the appropriate goods to the appropriate individual at the appropriate moment. Everyday life involves the use of smart assistants. The use of chatbots in customer support applications is growing. Both classifiers and predictive engines are capable of identifying fraud and credit failures.

Businesses are increasingly motivated to examine trends and sentiments as a result of consumers' growing usage of social media. For this issue, natural language processing offers workable answers. Furthermore, data visualisation tools are becoming important for obtaining insights from the vast amounts of data that organisations have at their disposal.

This training session will teach participants how to use artificial intelligence in the banking industry. The participant will get specific knowledge about the value that recommender systems, chatbots, classifiers, and prediction engines can offer the banking industry.

The following will be covered in this Course N Carry Banking using Artificial Intelligence training course:

- Data interpretation and display
- Customer segmentation and clustering
- Machine learning for fraud detection and credit default prediction
- Natural Language Interpretation
- Intelligent assistants and chatbots

Objectives

After completing this training programme on banking using artificial intelligence, learners will be able to:

- Create a predictor for credit default.
- Create a method for detecting fraud.
- Construct a recommender system.
- Create a method for segmenting customers.
- Create a chatbot that helps clients.

Training Methodology

The trainer for this Banking using Artificial Intelligence training course will use a range of tried-and-true adult learning teaching and facilitation strategies to provide participants with in-depth instruction on the topics covered in the course outline. A presentation of the key ideas is combined with practical tasks that participants must perform on their hands and knees.

Organizational impacts

The company will make sure that participating personnel are aware of the most recent advancements in AI and how they may be applied to solve business issues. Establishments will:

- Recognise when there are chances to use machine learning to address business issues.
- Acquire proficiency with the most widely used AI and data analytics software.
- Develop your ability to create prediction systems.
- Learn how to create recommender systems and customer segmentation.
- Learn how to create and utilise chatbots efficiently.
- Find out how business difficulties could be resolved with Natural Language Processing.

Personal Imapct

One of the newest and most revolutionary technologies that is predicted to change every aspect of life will be introduced to the participant. As an attendee, you will:

- Learn about artificial intelligence and the uses it can have.
- Learn how to analyse and visualise data so that you can provide recommendations.
- Develop and apply predictive algorithms to make well-informed decisions.
- Learn to extract information from unprocessed text.
- Find out how using chatbots at work can benefit you rather than put you at risk.
- Learn how to use AI technologies like R, Python, and WEKA.

Who should attend?

Professionals interested in applying artificial intelligence to solve challenges in the banking industry are the target audience for this training course.

A wide range of professionals can benefit immensely from this Course N Carry Banking Using Artificial Intelligence training course, however the following are the main ones:

- Managers of risks
- Managers and experts in the field of banking marketing
- Programmers for computers who want to comprehend how artificial intelligence is used in banking
- Researchers and technologists with an interest in artificial intelligence and banking
- Managers and experts in customer service within the banking industry
- Managers, department heads, and senior business leaders in the banking industry

Course Outline

Day 1

Fundamentals of Artificial Intelligence

- Both machine learning and artificial intelligence
- Common uses
- A system's architecture
- Tools for software: Python
- R is one of the software tools.
- Tools for software: WEKA

Day 2

Analytics and Visualisation of Data

- Data collection
- Engineering features
- Analytical statistics
- Information display
- Diminution of dimensions

Day 3

Learning Both Supervised and Unsupervised

- Estimating similarity
- Grouping
- Association guidelines

- Systems that recommend
- K-Nearest Neighbours
- Decision Trees
- Naive Bayes
- Synthetic Neural Networks

Day 4

Natural Language Interpretation

- Structure extraction from unprocessed text
- Typical phrases
- Semantics and word characteristics
- Text categorization
- Information retrieval
- Systems that respond to questions

Day 5

Developing a Chatbot

- Information extraction from talks
- Using a chatbot to search
- Natural Language Processing
- Natural Language Production
- Constructing a framework

Shams Business Center, Sharjah Media City Free Zone, Al Messaned, Sharjah, UAE PO Box: 49638 **Tel: +971 55 323 6764** **Fax: +971 55 323 6764** **E-Mail: subhashini@itrobes.com**