



CONSULTING

NEURAL TECHNOLOGIES & SOFTWARES



NEURALTECHSOFT
DEFINE SOLUTIONS WITH A DIFFERENCE

The range of uncertainties since the unfortunate occurrence of Covid-19 manifested incalculable hindrances in Financial Services Industry, which indeed is growing as the day passes.

By leveraging our deep industry & business knowledge, we at NeuralTechSoft reckon our services with advanced analytics capability & optimize the efficiency of the industry with the assistance of Artificial Intelligence & Machine Learning models against issues in regards to regulatory compliance, policy development/review, credit scoring, risk management and other financial services.



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FUNDS TRANSFER POLICY

MACHINE LEARNING-BASED DATA SIMULATIONS

PREDICTIVE FORECASTING

FUNDS TRANSFER PRICING

LOAN OPTIMIZATION MODELING





RISK MANAGEMENT POLICY DEVELOPMENT / REVIEW

PRE-DEVELOPMENT – IDENTIFY & CONDUCT ANALYSIS

**DEVELOPMENT – WRITING & DRAFTING, CONSULTATION,
DOCUMENT APPROVAL, PUBLICATION/POST**

**MAINTENANCE – IMPLEMENTATION & COMMUNICATION,
EVALUATION & REVIEW**



RISKS MODEL VALIDATION

ANALYSIS OF THE EXISTING VALIDATION METHODOLOGY

GAP ANALYSIS

BENCHMARKING

BACKTESTING

STRESS TESTING

MODEL ENHANCEMENT



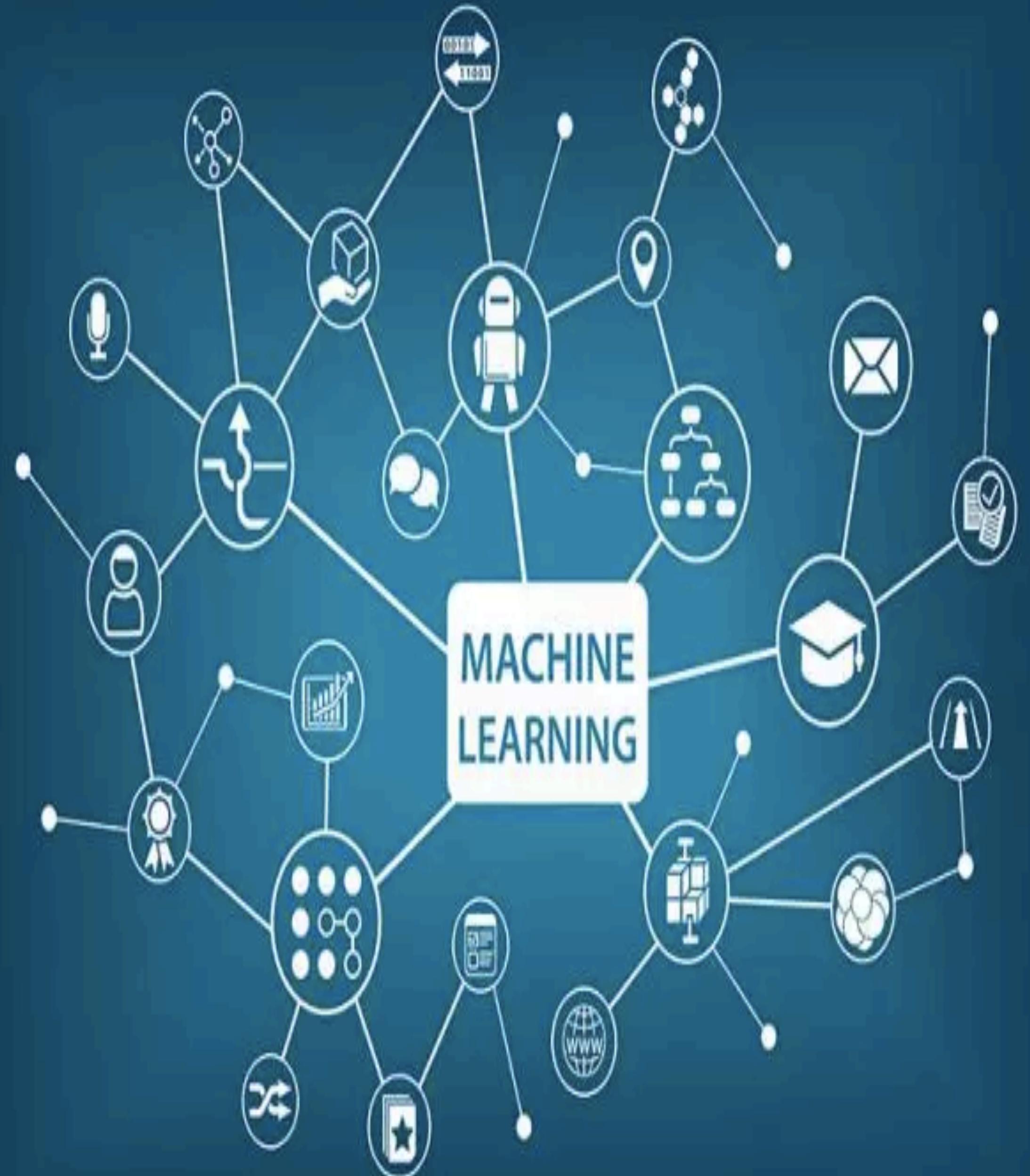
AI & ML MODEL BUILDING & VALIDATION

BUILDING AI & ML MODELS IN FINANCE & INSURANCE SECTORS

DEEP LEARNING MODELS

VALIDATION OF AI & ML MODELS

LANGUAGES FOR ML & AI MODELS - PYTHON & R



CREDIT SCORING MODEL USING ML

DATA PREPARATION

MODELING DATA

SETTING THE SCORE

EVALUATION – USING LOGISTIC REGRESSION, RANDOM FOREST, NEURAL NETWORKS



REGULATORY COMPLIANCE

BASEL III & BASEL IV

INTERNAL CAPITAL ADEQUACY & ASSESSMENT PLAN (ICAAP)

ECONOMIC CAPITAL

REGULATORY CAPITAL

STRESS TESTING



DATA WAREHOUSING

DATA SOURCES

DATA WAREHOUSE

DATA MINING

ANALYSIS

DECISION SUPPORT

REPORTING



ACCOUNTING & VALUATION

INTERNATIONAL FINANCIAL REPORTING SYSTEM (IFRS)

COMPLEX DERIVATIVES & CONTINGENT

CONTRACTS

HEDGE ACCOUNTING

VALUATION



AUDIT

INTERNAL AUDIT

TREASURY AUDIT

RISK AUDIT

SYSTEM AUDIT

BASEL III & BASEL IV AUDIT



HR CONSULTING

MOTIVES

DESIGNING STOCK OPTION PLAN

SHARE PRICE PERFORMANCE

ORGANIZATIONAL STRUCTURE

CORPORATE CULTURE

ABOUT NeuralTechSoft

Neural Technologies & Software Pvt. Ltd. (NTS) is an independent training and consulting organization that was established in October, 2000 by leaders in financial analytics and IT consulting from various prestigious financial, academic and business institutions. Our business principles combine best of consulting capabilities to deliver high quality, high value and cost effective solutions that exceed client's needs and expectation, keeping in mind long-term relationships.

NTS is propelled by the belief that rapid and fascinating developments in the engineering, information technology, science and analytics can be applied to find ground breaking solutions in several key areas of banking and financial services.

These solutions create competitive advantage & strengths through enhanced knowledge, better risk management and a clearer vision of the dynamics that rule the financial service business.

NTS's Mission is to help the financial industry in functioning in an efficient manner by training the individuals working in the industry and improve the business productivity by providing superior and cutting edge technology.

NTS's Vision is to create elegant & workable analytics to enable business functions and risk management attain higher competencies through advisory and cutting edge technological solutions built on extensive domain expertise.



4 Pillars of NeuralTechSoft



CLIENTS



البنك السعودي للاستثمار
The Saudi Investment Bank



العربي
anb

mashreq



AmBank Group



TEAM

- ▶ **Dr. Mahendra Mehta**
- ▶ **Dr. Pratap Sondhi**
- ▶ **Dr. Vikram Kuriyan**
- ▶ **Dr. Satish Shinde**
- ▶ **Dr. Mridul Mehta**
- ▶ **Suchi Gupta**
- ▶ **Rajat Bhatia**



TEAM

- ▶ **Pratik Dokania**
- ▶ **Kajal Kumari**
- ▶ **Abhik Roy**
- ▶ **Swapnila Kavishkar**
- ▶ **Muskan Surana**

