Bank Loan Approval Prediction SystemUsing Support Vector Machine and Random Forest Algorithm

Jayan Kokru[1], Abhijeet Shrikant Ghodke[2], Prathamesh Chavan[3], Sidharth Chand[4], Prof. Sagar Mane[5]

Students, Department of Computer Engineering, NBN Sinhgad School of Engineering, Pune[1,2,3,4]
Faculty, Department of Computer Engineering, NBN Sinhgad School of Engineering, Pune[5]

Abstract: *Bank Loan endorsement is a vital cycle for banking associations. This framework endorses or rejects the credit applications. Reimbursement of credit is a significant contributing boundary in the fiscal reports of a bank. It is truly challenging to foresee the chances of reimbursement of credit by the client. Lately numerous analysts chipped away at credit endorsement forecast frameworks. In the System Machine Learning (ML) techniques are extremely helpful in foreseeing results for enormous measure of information. In this paper two AI calculations-Support Vector Machine (SVM) and Random Forest (RF) are applied to anticipate the advance endorsement of clients.*

Keywords: Loan, Machine Learning, Training, Testing, Prediction, etc.

REFERENCES

[1] Vishal Singh and Ayushman Yadav, "Prediction of Modernized Loan Approval System Based on Machine LearningApproach" IEEE, 2021

[2] Mohammad J. Hamayel and Mohammad More, "Improvement of personal loans granting methods in banks using machinelearning methods and approaches in Palestine", IEEE, 2021

[3] Abhishek Shivanna and Dharma P Agarwal, "Prediction of Defaulters using Machine Learning on Azure ML", International Research Journal of Engineering and Technology, 2021

[4] Anshika Gupta and VinayPant, "Bank Loan Prediction System using Machine Learning", IEEE 2020

[5] G. Arutjothi and C. Senthamarai, "Prediction of loan status in commercial bank using machine learning classifier", IEEE 2017.