# SMART LENDER - APPLICANT CREDIBILITY PREDICTION FOR LOAN APPROVAL

## Literature Survey

| JOURNAL NAME | PROJECT NAME | AUTHORS | TECHNOLOGY USED | OBSERVATION | DRAWBACKS |
|---|---|---|---|---|---|
| International Journal Of Creative Research Thoughts ISSN: 2320-2882 Volume 9 Issue 6 June 2021 | Approach for Prediction of Loan Approval using Machine Learning Algorithm | M.A. Sheikh, A. K. Goeland T. Kumar | Machine learning | Used only one algorithm for prediction. The algorithm used is logistic regression which produced accuracy is 81.11% | There is no comparison Of different algorithms. |
| International Research Journal of Engineering and Technology e-ISSN: 2395-0056 p-ISSN: 2395-0072 Volume: 09 Issue: 04 Apr 2022 | Loan Approval Prediction | Shubham Nalawade, Suraj Andhe, Siddhesh Parab, Prof. Amruta Sankh | Machine learning and Web development | Used different machine learning algorithms and compared with their accuracy | Lack of applicant's database that leads to less prediction |
| International Conference on Intelligent Sustainable Systems (ICISS). DOI: 10.1109/ISS1.2017. 8389442 INSPECAN : 17858443. June 2019. | Prediction of loan status in commercial bank using machine learning classifier | G. Arutjothi, C. Senthamarai | Machine Learning | Only the K Nearest Neighbor Classifier is used process of Min- Max Normalization is used. It is a process of decomposing the attributes values. | The best way for data split is 60-40% and 80-20%, but here they used 50-50, there may be a violation in the accuracy |
| International Conference for | Loan Default Forecasting using Data | B.Patel, H. Patil, J. Hembra | Data Mining and Machine Learning | Shows the comparison of four algorithms. | This project has shown only a slight variation in the accuracy |

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| Emerging Technolo gy (INCET),2 020, pp. 1-4, Doi: 10.1109/I NCET498 48. 2020.915 4100. NSPECAN :19887656 August 2020 | Mining | m and S.Jaswal . | | The algorithms used were Gradient Boosting, Logistic Regression, Random Forest and Cat Boost Classifier. | of each algorithm when compared which may lead in choosing the best among them. |
| International Conference on Information and Computer Technologies. DOI: 10.1109/ICICT5 0521.2020.000 53 NSPECAN : 19611841 May 2020 | AzureML Based Analysis and Prediction Loan Borrowers Creditwort hy | K. Alshouiliy, A. AlGhamdi and D. P. Agrawal | Machine learning algorithms such as two class decision, Machine Learning | The final conclusion reached was only those who have a good credit score, high income and low loan amount requirement will get their loan approved. | They made use of less amount of database which resulted in less prediction of accuracy |