

List of Programs for the Artificial Intelligence Lab

1. Write a program to implement Depth First Search.
2. Write a program to implement Breadth First Search.
3. Write a program to implement the water jug problem.
4. Write a program to implement the 8-queen problem.
5. Write a program to implement A* Algorithms.
6. Write a program to implement AO* Algorithms.
7. Write a program to find the mean, mode, median, and standard deviation.
8. Write a program to implement linear regression.
9. Write a program to implement Logistic Regression classification.
10. Write a program to implement k-nearest neighbors classification.
11. Write a program to implement Naïve Bayes Classifier Algorithm.
12. Write a program to implement Decision Tree Classification Algorithm.
13. Write a program to implement K - Mean Clustering.
14. Write a program to reduce the number of dimensions using principal component analysis (PCA).
15. Write a program to implement a simple feedforward neural network for a basic task like binary classification.
16. Write a program to evaluate the performance of any classification model using metrics like accuracy, precision, recall, F1-score, etc.
17. Write a program to construct a simple Bayesian network.
18. Write a program to implement a deep learning model for image classification.