🚀 **Excited to Share My Latest Project on Employee Promotion Prediction!** 🚀

I've recently completed a project focused on predicting employee promotion using a variety of machine learning algorithms. This binary classification problem was tackled using Decision Tree and 5 ensemble learning algorithms i.e. Bagging, AdaBoost, Gradient Boosting, Random Forest and Voting classifiers.

Through comparative analysis, I discovered that the AdaBoost algorithm outperformed the others, achieving an impressive accuracy of 72.3%. 📊

To make the model accessible and user-friendly, I exported and deployed it using Streamlit: <https://employee-promotion-prediction.streamlit.app/> 🌐

You can explore my project in detail through links below:

* Github: <https://github.com/ArpanMahatra1999/Employee-Promotion-Prediction>
* Blog: <https://arpanmahatra.hashnode.dev/employee-promotion-prediction-using-decision-tree-ensemble-learning-algorithms>

#Python #MachineLearning #DataScience #ArtificialIntelligence #EmployeePromotion #AdaBoost #Streamlit #Sklearn #ProjectCompletion #Ensembl eLearning #BinaryClassification