INTERACTIVE SCREENING EVALUATION USING MACHINE LEARNING FOR RECRUITMENT

ABSTRACT

Machine Learning is a Sub-field of "Artificial Intelligence". It concentrates on the statistical analysis of data to give computer system the ability to learn 'automatically' without being specifically programmed. Machine Learning is a technology which is able to automate the representing of elements more efficiently in recruitment process. Machine Learning in recruitment provides a miracle solutions like; job advertising, CV-screening, Candidate assessment, prediction of hiring needs etc. We are using Deep learning techniques and especially NLP (Natural Language Processing). Deep learning techniques are used to check the conversation of text. All the tasks done by automated system without involvement of person to check summarization, transaction, named entity, relationship extraction, syntax and segment analysis, speech recognition and topic segmentation. In this Project our goal is to develop an automated answer evaluation system using machine learning. The system will evaluate the answer based upon the matched keywords and the minimum length of the answer provided by the moderator. The dataset will be given as input to the proposed system to compare and evaluate. The system will use an artificial neural network with back-propagation algorithm.

Keywords: - OCR, NLP, ANN, Back-propagation algorithm.

The project code is done in python programming. Project is processed in Pycharm environment. This automated screening system provides great services even in the absence of HR. Selection of best candidate is observed. Reduce time in interaction. Increase in quality of hiring required candidates.

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