

RESEARCH ON VIRTUAL ASSISTANT BASED ON TENSORFLOW

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Virtual assistant is a software program that can interact with a human in natural language using an appropriate interface. They can respond to text and voice commands to answer the questions. In this era, the widespread use of personal computers and better interactions of human with the computer make these more popular. It can be used to reduce the effort of people in their business, entertainment and so on. In this paper, we are developing a virtual assistant using NLP and deep learning techniques with the help of every public available Reddit comments as the dataset. The model is used to predict the most accurate output based on the user query. For retrieving responses, NLP uses pattern matching. For developing the model tensor flow is used. The model will recognize words from the user and responds with a pre-calculated response based on a scoring mechanism. Therefore better human-like interaction with the computer is possible.