Xingjian(Oscar) Zhang Final Project 1 EC601 A2 Professor Osama Alshaykh Sep 17, 2022

This project will focus on a typical issue that any software developer will encounter. In one way, common Software Engineering tasks may be automated. And leave complicated tasks to the professionals. Consequently, I am considering how I would use natural language processing to develop a Google FireBase application for this project. To be more precise, we will consider the input to be a collection of user tales produced by humans. The outcome is an application that generates its own code and operates on Firebase. It is crucial because it reduces the time required for engineers to examine a large amount of code and allows us to delegate the task to the machine. It makes our lives more enjoyable and convenient. This gives us more time to examine why people have such behaviors and how to enhance our goods so that more users will engage in this project, since we must ultimately build more popular or valuable software. In the past, when we wanted to understand a user's habits, we only examined their behavioral logic from the results, which caused us to make numerous errors and poor judgements. However, if we can examine each behavior of the user, it will significantly improve. This increases engineers' effectiveness by enabling them to quickly and effectively record all user behaviors.

Natural Discourse Processing (NLP) is the application of algorithms to interpret and modify human language(Amanjeetsahu,2022). This technique is one of the most widely utilized machine learning applications. As AI As technology continues to advance, the demand for specialists skilled in the building of models that can analyze speech and language, recognize contextual patterns, and extract insights from text and audio will increase. This specialization will provide

us with the cutting-edge deep learning techniques necessary for the development of novel NLP systems. I believe that developing an application that can operate on Google Firebase will be really fascinating.

As I researched the use of Google Firebase online, I discovered that there are several tutorials and examples pertaining to Firebase (Firebase, 2022). If we are going to deep dive into researching this project, we are definitely going to learn more from Github. Google Firebase is an application development platform powered by Google that allows developers to create iOS, Android, and Web applications. Firebase provides tools for tracking data, reporting and fixing app faults, as well as creating marketing and product trials. This will make it easy for the developer to do their duty. It is a platform that simplifies developers' access to information. This is the notion we have for Project 1, and I've learnt a great deal from the professor's thoughts by interacting with my group members.

Reference:

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