RESTAURANT SUGGESTION AND MAKING RESERVATION APPLICATION

BENJAMIN JASHUWA NILANKAN

A dissertation submitted in partial fulfilment of the requirement for BEng (Hons)

Software Engineering degree

**Department of Computing
Informatics Institute of Technology, Sri Lanka
in collaboration with
University of Westminster, UK**

2021

Abstract

Natural Language Processing (NLP) is a program that designed with and containing the Artificial intelligence Linguistics. It performs to make an understanding with human languages and computer language. NLP making an environment to computers to understand the human languages by understanding the speeches and reading the texts.

Location tracking using GPS signal is a kind of data collection. Using GPS signal to track the location may help to identify the travelling and surrounding activity of a person. Nowadays this technology having a big part in modern technological world to suggest or give the service to users according to their location-based activities traveling history.

We all are live in a busy scheduled life. Being busy should not damage our time for taking meals to be healthy and active. While we are not in home and in a travelling schedule, we are searching for places to get food and there we are lose our valuable time for other works by searching and waiting for meals. If any solutions to save our time which is wasting by searching for restaurants and waiting for get a table and food, that could be very helpful to our scheduled life.

An application where a GPS system with a map, navigation where we can find restaurants and make a reservation for nearly upcoming hours with NLP related chatting system with a selected restaurant could be a solution for the problem addressed. Also suggesting the predictions for our food style for our rush time to make our job easy.

There are many mobile applications are in use as the solutions for the problems faced in our daily life. In the are related to or research also there are mobile applications for ordering the food, make navigation for a destination and daily life style predicting applications separately.