High Level Definition (HLD)

Automatic Car Parking Space

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iNeuron Contents

Abstract

1. Accurately detecting Parkinson's disease (PD) at an early stage is certainly indispensable for slowing down its progress and providing patients the possibility of accessing to disease-modifying therapy.
2. Towards this end, the premotor stage in PD should be carefully monitored. An innovative deep-learning technique can be apply as early to uncover whether an individual is affected with PD or not based on premotor features.

1 Introduction

1.1 Why this High-Level Design Document?

The purpose of this High-Level Design (HLD) Document is to add the necessary detail to the current project description to represent a suitable model for coding. This document is also intended to help detect contradictions prior to coding, and can be used as a reference manual for how the modules interact at a high level.

The HLD will:

- Present all of the design aspects and define them in detail
- Describe the user interface being implemented
- Describe the hardware and software interfaces
- Describe the performance requirements
- Include design features and the architecture of the project
- List and describe the non-functional attributes

  like: o Security

o Reliability
o Maintainability
o Portability
o Reusability
o Application compatibility
o Resource utilization
o Serviceability

1.2 Scope

The HLD documentation presents the structure of the system, such as the database architecture, application architecture (layers), application flow (Navigation), and technology architecture. The HLD uses non-technical to mildly-technical terms which should be understandable to the administrators of the system.

1.3 Definitions

Term	*Description*
PDD	to predict the sales of the different stores of Automatic car parking

2 General Description

2.1 Product Perspective

Make any python project based on your skills.

Problem statement

• 1.Make any python project based on your skills.

PROPOSED SOLUTION

Through This we will get to know which product people consume more and keep the inventory as the demand.

2.2 Tools used

Python programming language and frameworks such as NumPy, Pandas, Scikit-learn,

Evidently , Flask, VS Code, Matplotlib Gunicorn and Github are used to build the whole model.

2.3 Constraints

The project is to scrape the data from the web URL and store it in the CSV format

2.4 Assumptions

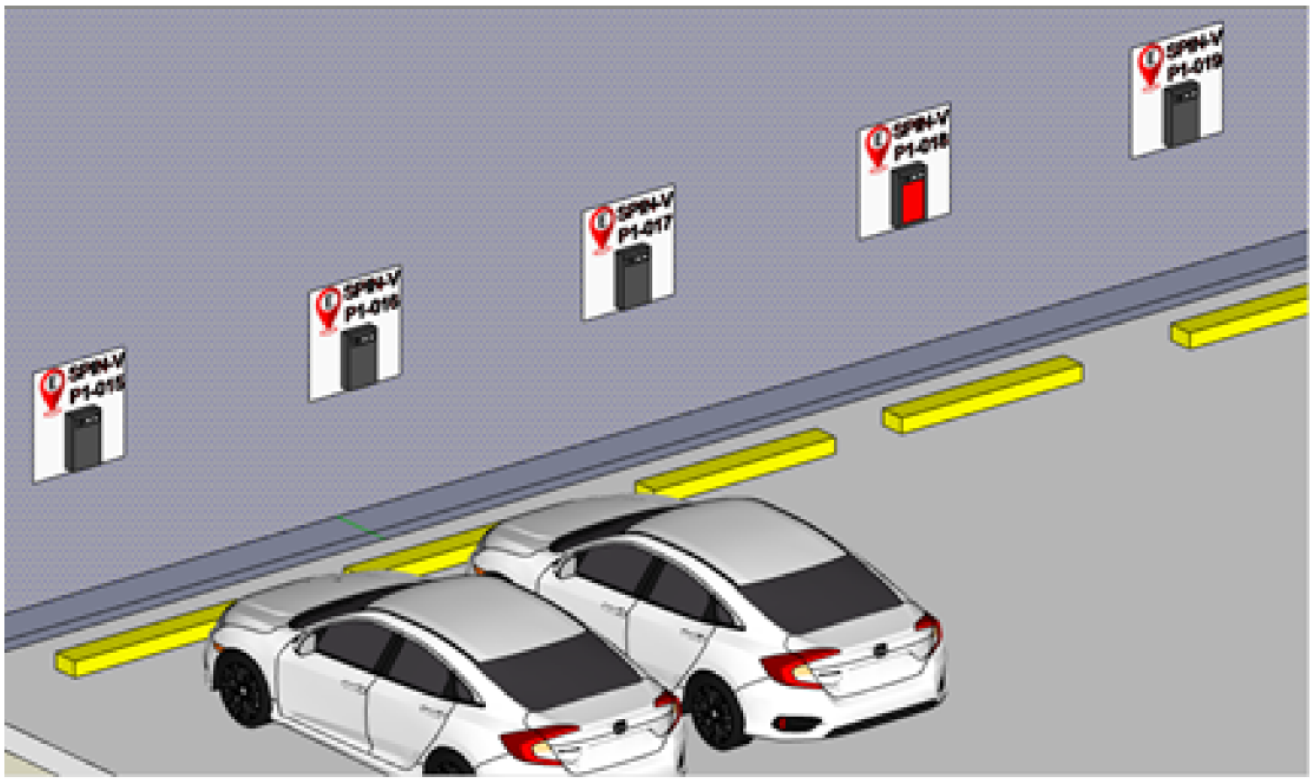
The main objective of the project is to scrape the data from the web URL and store it in the CSV format

3 Design Details

3.1 Process Flow

For identifying the different types of anomalies, we will use a machine learning base model. Below is the process flow diagram as shown below.

3.1.1 Deployment Process



3.2 Event log

The system should log every event so that the user will know what process is running internally.

Initial Step-By-Step Description:

1. The System identifies at what step logging required
2. The System should be able to log each and every system flow.
3. Developer can choose logging method. You can choose database logging/ File logging as well.
4. System should not hang even after using so many loggings. Logging just because we can easily debug issues so logging is mandatory to do.

3.3 Error Handling

Should errors be encountered, an explanation will be displayed as to what went wrong? An error will be defined as anything that falls outside the normal and intended usage.

4 Performance

Parkinsons Diseases Detection is used to detect the keep track of data in in order to forecast future.

4.1 Reusability

The code written and the components used should have the ability to be reused with no problems.

4.2 Application Compatibility

The different components for this project will be using Python as an interface between them. Each component will have its own task to perform, and it is the job of the Python to ensure proper transfer of information.

4.3 Resource Utilization

When any task is performed, it will likely use all the processing power available until that function is finished.

4.4 Deployment

4.5 KPIs (Key Performance Indicators)

1. Key indicators displaying a summary of the Automatic Car Parking

2. We can train the dataset.

3. Create the artifact files.

4. Store all the logs

5 Conclusion

Extract data from the web URL

6 References

1. Google.com