

Demand Est - AI Powered Food Demand Forecaster

Pre-Requisites

- In Order To Develop This Project, We Need To Install Following Software's/Packages
- To Build Machine Learning Models You Must Require The Following Packages
- Prior Knowledge

Project Objectives

Project Flow

Project Structure

Dataset Collection

- Collect the Dataset or Create the Dataset.

Data Pre-Processing:

- Import the Libraries.
- Reading the dataset.
- Exploratory Data Analysis
- Checking for Null Values.
- Reading and merging .csv files
- Dropping the columns
- Label Encoding
- Data Visualization.
- Splitting the Dataset into Dependent and Independent variable.
- Splitting Data into Train and Test

Model Building:

- Train And Test Model Algorithms
- Model Evaluation
- Save the Model.
- Predict the Output Using the Model.

Application Building:

- Create an HTML File
- Build Python Code.
- Run the App.

Train the Model on IBM:

- Register for IBM Cloud.
- Train the IBM Model on IBM.
- Integrate flask with Scoring endpoint.

Ideation Phase:

- Literature Survey On The Selected Project & Information Gathering.
- Prepare Empathy Map
- Ideation

Project Design Phase-I:

- Proposed Solution
- Problem Solution Fit
- Solution Architecture

Project Design Phase-II:

- Customer Journey.
- Functional Requirement
- Data Flow Diagrams
- Technology Architecture

Project Planning Phase:

- Prepare Milestone and Activity List.
- Sprint Delivery Plan

Project Development Phase:

- Project Development- Delivery of Sprint-1
- Project Development- Delivery of Sprint-2
- Project Development- Delivery of Sprint-3
- Project Development- Delivery of Sprint-4