Pigihi

E-commerce Aggregation System

Main Project

Abstract

Pigihi is an e-commerce aggregation system that provides a centralized access to all the products from the nearby shops of a customer. Customers can buy the products from the shops suggested by the system or can select the shops on their own. They have the option to select a custom location to which the products are to be delivered using google maps. Customers can pay the amount using both fiat and crypto currencies. Chatbots are provided in order for the customers to easily query within the site. Customers can review both products and shops. These reviews are publicly visible and can be used as a metric for the system to suggest shops to customers.

Shop owners can easily add products by adding from the already existing list or by creating their own custom ones. Shops can receive order notification through email. Machine learning is used for suggesting customers with products based on their order and search history.

More modules added in Pigihi:

1. Fiat Payment Module

   Customers can pay the amount using fiat currencies like Indian Rupee. The transactions can be performed through the integrated payment gateway. Various modes of transactions like Debit Card, Credit Card, UPI, Net Banking and Mobile Banking are supported.

2. Crypto Payment Module

   Customers can pay the amount using crypto currencies like Ethereum, Matic, Solanium and so on. DINR is a stable cryptocurrency which is pegged to the Indian Rupee. Customers can also use DINR to pay the amount.

3. Review Module

   Customers can review the products that they have ordered. The system stores the review under the corresponding product as well as the shop from which it has been bought. The review system is a main component which decides which products to display and from which shops to buy from.

4. Shop Selection Module

   The products selected by the customer are bought from shops under a specific perimeter around the customer or the location selected by the customer. These shops are selected according to various metrics like their location, review and product price.

5. Product and Shop Suggestion Module

   Products and shops are suggested to the customer based on their search and order history. Machine learning is used to predict the shops and products that the customers will likely go after.

6. ChatBot Module

   Customers can ask various queries and can submit various issues using the chatbot. Artificial Intelligence is implemented in the chat bot to efficiently understand and interact with the customers.