

Electrocom: ECommerce website

This website makes it easier to buy and sell electronic equipment including smartphones, laptops, and Bluetooth speakers and headsets so that customers can simply purchase the products they want and sellers can conveniently sell their goods. Based on factors like ratings, relevancy, and product details, users can explore and categorize products. A payment gateway is integrated into the website to support transactions in the real world. The implementation seeks to offer consumers who buy and sell electrical devices a safe and open platform.

Different functionalities of website:

- **Product recommendation:** Using collaborative filtering for recommendation. The data received from the user through rating, purchase history, the budget friendly, newly arrived products are recommended to the user
- **Seller and Customer authentication using blockchain:** The sellers and customers data can be made into confidential and also can exchange the crypto coins as digital assets in order to resolve cash transactions
- **Decentralized payment:** Payment can be done in both ways. Cash payment and decentralized payment or payment by crypto wallet
- **Analytics and Reports:** Analyzing of market demands and preparing the report of sales happening inside the website to the admin
- **Real-time delivery data:** Using geographical location, finding out whether the product is received to the customer. Storing the places and finding the places where the delivery agent moved
- **Lanchain and Hugging face:** Communicating with a system using a LLM
- **Amazon Bedrock:** Searching is done using AWS.
- **Integrating a bidding platform:** Bidding of newly arrived and rare pieces for bidding.
- **Creating an Mobile Application**