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## **Shopping Cart Autofill**

A dissertation

by

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## **Abstract**

Everyday vast number of transactions take place in Retail Business. Consumers do their purchase based on their own decision making. So, automating this decision making which is next shopping cart/basket prediction would be an interesting and challenging research. The consumer decision making of adding items to the cart is mostly based on their own need, wants and preferences. So, learning consumer transaction using AI would be good research project. There are works done related to recommending items to the consumer which is more generalized which is common to all consumers. But a personalized next shopping cart prediction would be a useful and practical application which can be implemented to ease customer shopping experience. This piece of work focusses on predicting Shopping cart of retail customers with items quantities by learning the customer's past transactional data. This enables Retailers to know their customers next purchase and autofill their cart with Items and corresponding quantities.

**Keywords:** Basket Prediction, Quantity Prediction, FB Prophet