**Product Recognition**

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Contents

[Abstract 3](#_Toc4571289)

[Introduction 3](#_Toc4571290)

[Methods 3](#_Toc4571291)

[Results 3](#_Toc4571292)

[Conclusions and Future Work 4](#_Toc4571293)

[References 4](#_Toc4571294)

# **Abstract**

The project that we have taken is “Canadian Tire Product Lookup Application.” Canadian Tire is an extensive Canadian Company which sells a variety of products comprising over the automotive, household products, sports, hardware, and tools categories. The **problem Statement** is that the Canadian tire website has conventional search methods which needs to be modernized in a better and convenient way. An application was developed which is named as “Product lookup Application”. Through which we can search for a product by uploading the image on the application which will fetch the link of that product from the Canadian tire website. The application is developed using Python language and its libraries. The application uses Deep Neural Networks to categorize the images provided to it. The app is further deployed to public server using Docker hub by Azure services. Results:(To be continued)

# **Introduction**

**Canadian Tire Corporation Limited** is a Canadian retail company which operates in the automotive, hardware, sports, leisure, and household's sectors. The Canadian Tire website has lot of categories and sub-Categories to search for a specific product. On a customer side it is very time consuming to search among enormous data and loading and reloading the different section pages repeatedly. To make the searching process quite easy and flexible enough for the client. We have taken this problem as a challenge to work upon. Most of the people do not want to write the full text on the search bar as they feel lazy or sometimes, they make grammatical errors while searching which leads to open a different page. We discovered the problem solution by developing a Product Look App which will make the surfing easy for the client by just uploading the specific product image that they are looking for.

# **Methods**

// Here you will need to provide technical details about the methods and approaches you have used in the project. You should include both the approaches that worked and the ones that did not work (failures).

Describe the --

Context and setting of the study

Specify the study design

Data set details

Identify the main study variables

Data collection instruments and procedures

Outline analysis methods

**Results**

// Here you will need to document and present all your key findings with respect to the central research question and document your results.

# **Conclusions and Future Work**

// Here you will document a short summary of your result and the most important results and also indicate what is remaining from the research activity that you would like to explore in the future (a paragraph or two is enough)

# **References**

// Complete citations for any articles or other materials referenced in the text of the article.