

myGF my Grocery Finder

A DSI Capstone Presentation



Hello: I am Jeryl Ong

You can find me at jerylcodes.github.io.

QR code:





Imagine this:

You are in a supermarket, looking for your favourite brand of coffee/tea. You arrive at the beverage section and all you see is rows of unknown brands...





Introducing myGF

- An image classification project to classify groceries
- Utilises deep learning: Convolutional Neural Networks
- Potential integration in customer service, logistics and even e-commerce

Key concepts

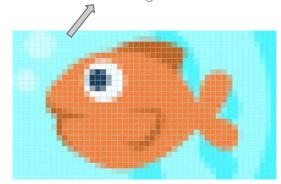
Let's refresh some concepts applied in this project



Images

- Graphics, pictures, photographs, jpeg, png etc
- Essentially made up of pixels
- Pixels are number values!

Pixel: (55, 66, 77) (red, green, blue)



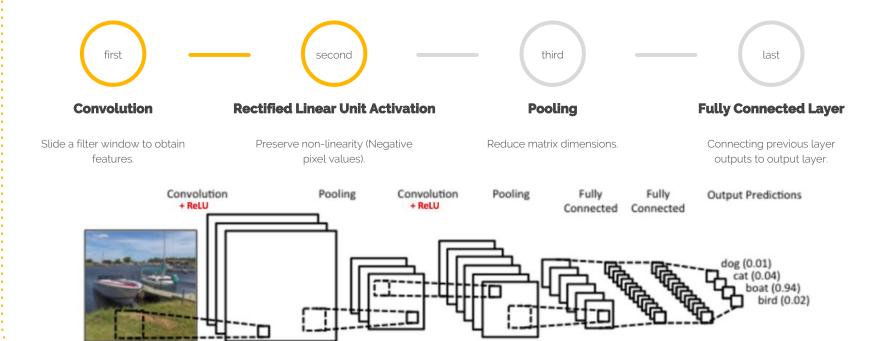


Convolutional Neural Networks

(CNN, ConvNet)



ConvNet process





Use photographs to predict class (google images)

Photographs



Google Images



































Code



Thanks

Any questions?

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Big concept

Bring the attention of your audience over a key concept using icons or illustrations





In two or three columns

Yellow

Is the color of gold, butter and ripe lemons. In the spectrum of visible light, yellow is found between green and orange.

Blue

Is the colour of the clear sky and the deep sea. It is located between violet and green on the optical spectrum.

Red

Is the color of blood, and because of this it has historically been associated with sacrifice, danger and courage.

A picture is worth a thousand words

A complex idea can be conveyed with just a single still image, namely making it possible to absorb large amounts of data quickly.





And tables to compare data

	А	В	С
Yellow	10	20	7
Blue	30	15	10
Orange	5	24	16





89,526,124

Whoa! That's a big number, aren't you proud?



89,526,124\$That's a lot of money

185,244 users

And a lot of users

100%

Total success!



Let's review some concepts

Yellow

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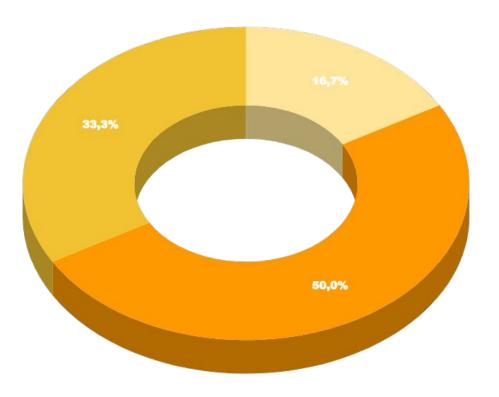
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You can insert graphs from Google Sheets



Android project

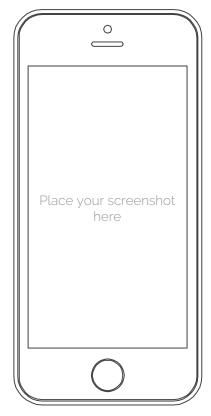
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Place your screenshot here



iPhone project

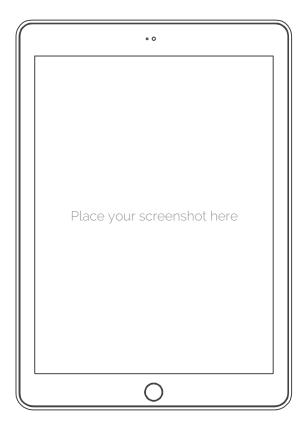
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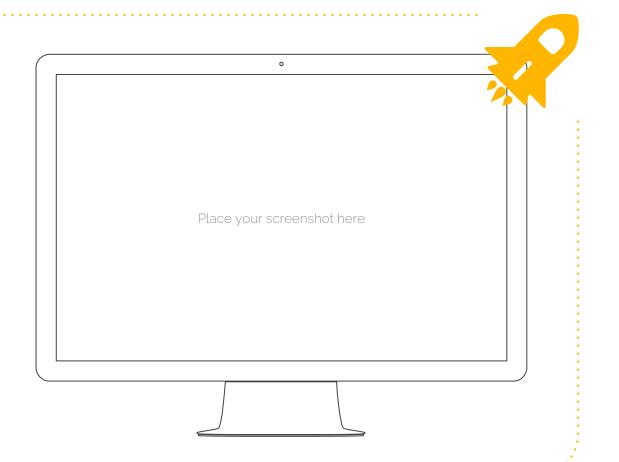
Tabletproject

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Desktop project

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Credits

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- Presentation template by <u>SlidesCarnival</u>
- Photographs by <u>Unsplash</u>



Presentation design

This presentation uses the following typographies:

- Titles: Raleway ExtraBold
- Body copy: Raleway Light

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Examples:





