

Basic Internship@Clevered

Visual Chatbot using Image Recognition and Speech Synthesis

Final Presentation

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About My Internship with Clevered..

- Any photographs from sessions etc.
- I have completed the AI foundation course in Clevered before doing my internship. I got to develop so many AI applications using image recognition, speech synthesis, speech recognition etc.
- Badges Earned
 - Rockstar Badge 3x
 - Participation Badge

About Me..

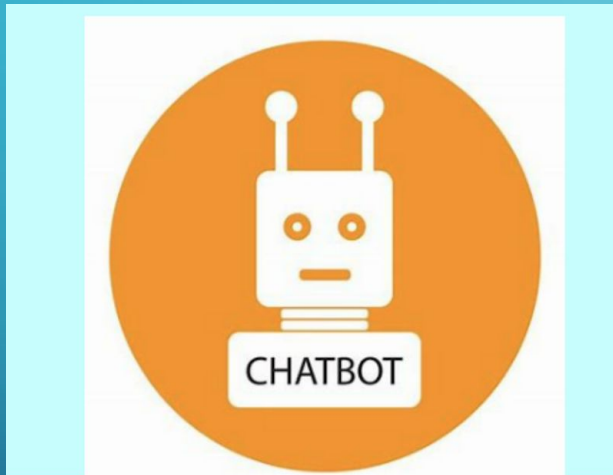


My name is Deetia Nair. I am 11 years old and from India. I am born and brought up in the UAE and am currently in Year 7 at Dubai College.

I am passionate about coding, especially machine learning because I believe the future of the world is AI.

About App..

- **App's Main Menu**



- **App's Introduction**

The App Generates information based on the image captured through the webcam using Speech synthesis and Image Recognition.

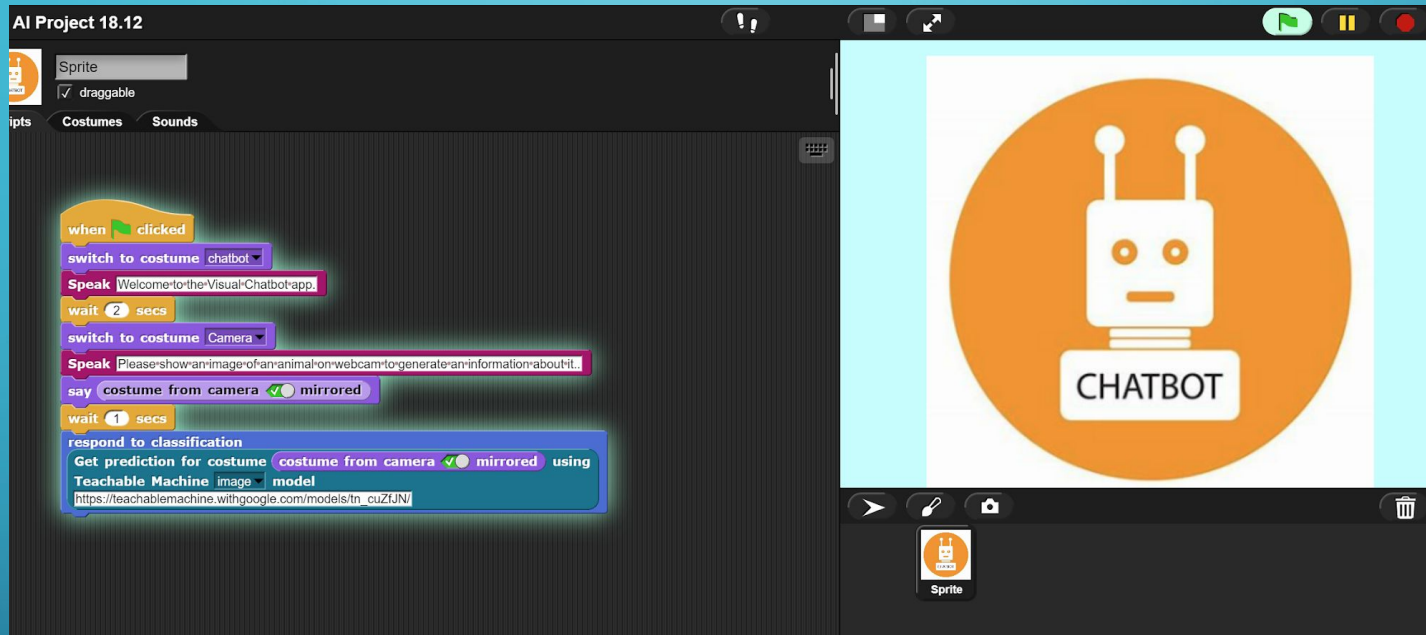
How do I use the App?

Show an image of an animal using Webcam and the app will recognize the image through Machine Learning and read/display information about the identified animal.

Acknowledgements

- **I would like to thank Mr Ken: Senior researcher University of Oxford for motivating younger generation to learn and understand AI, Ms Mani for her step-by-step guidance through out the internship, Ms Smitha and Clevered for giving me this opportunity, also my internship group members and my parents for their support.**

Opening



- To start the App, click the green flag button at the top right
- The sprite will then say, "Welcome to the Visual Chat Bot App. Please show an image on webcam to generate information about it."

Dog Option

1st



- User shows an image of dog through webcam and machine identifies it.

Dog Option

2nd

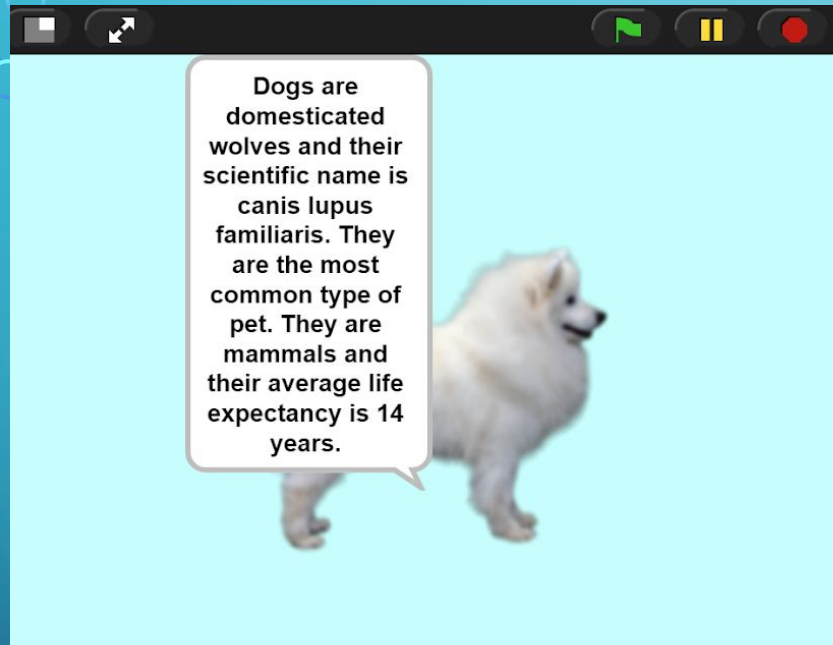


4	A	B
1	Dog	0.956406474
2	Cat	0.000099134
3	Tiger	0.000060214
4	Bird	0.043433944

- Machine shows the probability of bird, cat, dog or tiger.

Dog Option

3rd



- The machine provides the information about the dog.

Cat Option

1st



- User shows an image of cat through webcam and machine identifies it.

Cat Option

2nd



4	A	B
1	Dog	0.130082830
2	Cat	0.497606186
3	Tiger	0.023871536
4	Bird	0.348439511

- Machine shows the percent of bird, cat, dog or tiger.

Cat Option

3rd



Cats are feline creatures and are carnivorous mammals. Their scientific name is *Felis catus* and are the second most common pet.

- **The machine identifies a cat and provides information about the cat.**

Bird Option

1st



- **User shows an image of a bird through webcam and machine identifies it.**

Bird Option

2nd



4	A	B
1	Dog	0.356276482
2	Cat	0.050245415
3	Tiger	0.031051106
4	Bird	0.562426924

- Machine shows the percent of bird, cat, dog or tiger.

Bird Option

3rd



The scientific name of bird is aves. Birds are commonly known for their beaks and wings. They feed on small animals like insects and fruit seeds. They are warm blooded.

- **The machine tells some information about the bird.**

Tiger Option

1st



- User shows an image of tiger through webcam and machine identifies it.

Tiger Option

2nd



4	A	B
1	Dog	0.027766695
2	Cat	0.000462745
3	Tiger	0.970073876
4	Bird	0.001696577

- Machine shows the percent of bird, cat, dog or tiger.

Tiger Option

3rd



The scientific name of tiger is panthera tigris. They are orange cats and have black stripes. They are the largest type of cat and commonly feed on boars and deers.

- **The machine gives information about the tiger.**

Contact Person

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The background is a teal-to-blue gradient. In the corners, there are decorative white line art elements resembling circuit boards or neural network connections, with small circles at the end of the lines.

THANK YOU!