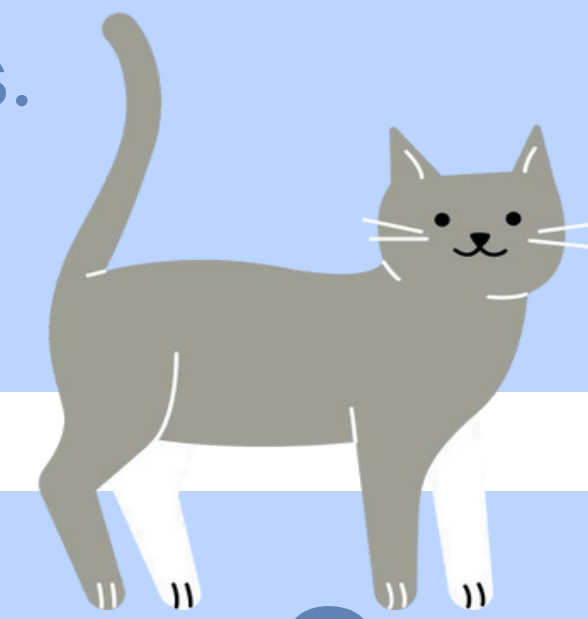


Aryan Chandra | Mubarak Abiola Keshiro | Hasaan Toor

What is FurScan?

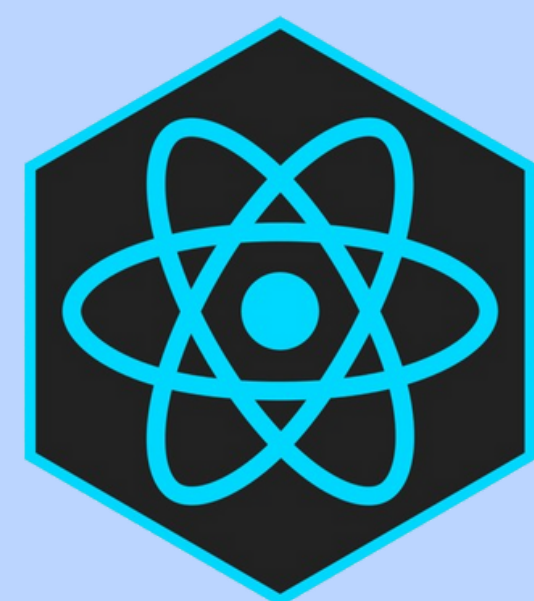
FurScan is an AI-powered mobile app that can analyze photos of animals and conduct questionnaires for users to answer in order to detect health issues, providing users with real-time information they can use to ensure the well-being of their pets.

From easy to spot problems like pinkeye or ear mites, to more subtle ones that might escape the naked eye, we aim to provide pet owners with critical information that not only recommends preventative measures but also provides advice and potential solutions for their furry companions.



Framework & Technology Stack

- React
- HTML + CSS
- Django/Python
- Image Recognition through Machine Learning (ML)
- Utilizing and Training a Convolutional Neural Network (CNN)

**django**

How FurScan Works

By scraping the internet and acquiring hundreds of photos of animals with diseases such as pinkeye and ear mites, and then increasing the size of our image dataset via image augmentation, we created and trained our AI model to aim for highly accurate results.

We also consulted with local veterinarians to not only gain insight on the most common diseases that they treat, but also to obtain information and resources that we used to design our questionnaires.



Our Motivation

Being pet owners ourselves we understand how deep the bond between animal and human can be, and thus we wanted to make an app that made looking out for them that much easier.



Acknowledgements - See us in CK 185

We would like to give our acknowledgements to Dr. Timothy Maciag, our mentor Dr. Christine Chan, the owner of Careport Animal Hospital, Dr. Melissa Hunchak, our friends, family and everyone else who supported us along the way. Scan the QR code for our GitHub repository and come see us in CK 185!

