

MEOW - THE COMPREHENSIVE CAT CARE PLATFORM



OUR TEAM!



Hasnaa Mohammed Mahm

Hadeer Mahmoud Elsayed

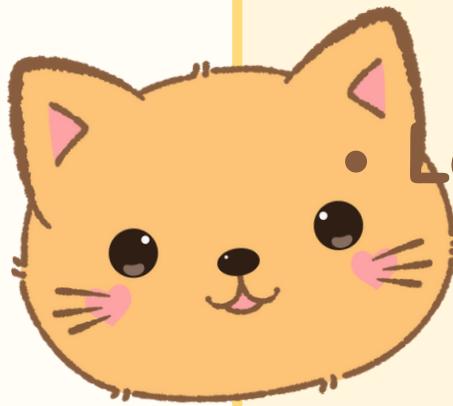
Alaa Ahmed Saad

Retaj Ashraf Abdel Hamied

Mariam Ashraf Abd Elrahman

IDENTIFYING THE PROBLEM!

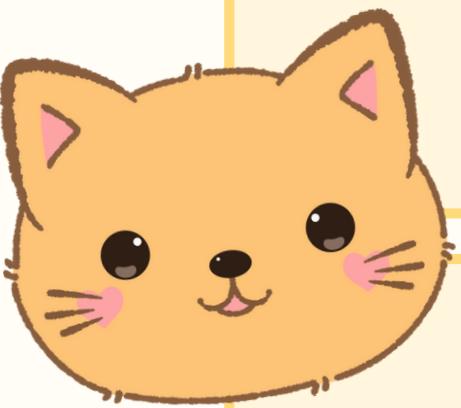
- Information fragmentation: cat owners juggle scattered, inconsistent advice across sites and forums.
- Lack of local support: global content fails to include locally relevant veterinary data and services.
- Anxiety & time pressure: urgent care needs create stress without instant, trustworthy guidance.





OVERVIEW!

Meow is a comprehensive web platform designed for cat enthusiasts to share experiences, seek expert advice, and access veterinary resources.



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It integrates:

A community forum

A RAG-based veterinary chatbot

A Google Maps scraper for finding nearby vet clinics

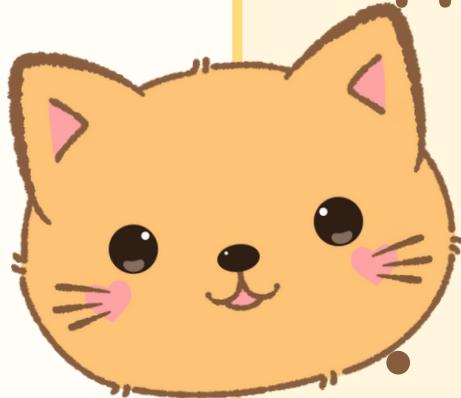


PURPOSE!



Meow aims to create a centralized hub where cat lovers can:

- Share heartwarming stories and tips 
- Build a supportive feline community
- Access reliable veterinary info and local clinic data



A LOOK AT THE HOME SECTION



Meow

Home

Chatbot

Community

Veterinarians

Login

Sign Up

Welcome to Meow 😊

Meow is your ultimate cat care platform, designed to help cat lovers like you provide the best care for your furry friends. Whether you're seeking expert advice, connecting with fellow cat enthusiasts, or finding trusted veterinarians, Meow has everything you need in one place.



AI Chatbot

Get instant answers to your cat care questions from our smart AI assistant. From nutrition tips to health concerns, Meow is here to help 24/7.



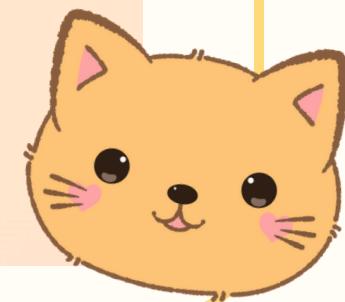
Community Forum

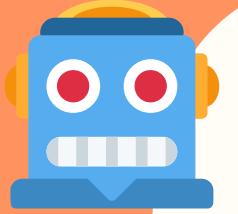
Join a vibrant community of cat lovers. Share stories, ask for advice, and connect with others who share your passion for felines.



Veterinarian Finder

Easily locate and connect with qualified veterinarians in your area. Get the professional care your cat deserves.





CAT ASSISTANT CHATBOT

What it is?

- The Meow AI Chatbot is an intelligent, RAG-based assistant powered by GPT-4o-mini.
- It provides real-time veterinary guidance and health advice for cats, with multilingual support in English and Arabic.
- The chatbot maintains conversation history for context-aware responses and delivers expert knowledge through a beautiful, user-friendly interface.



PROBLEMS WE FACED



1

Pet owners often struggle to access reliable veterinary information quickly. Waiting for vet appointments or paying for consultations for minor health concerns is costly and time-consuming.

2

Many users don't have English as their primary language, making it harder to get health advice online.



HOW WE SOLVED IT



- **RAG Technology:** We integrated FAISS vector database with veterinary documents (PDFs, research papers) to ensure accurate, sourced responses
- **Multilingual Support:** Built-in translation to Arabic for broader accessibility

- **Backup Models:** Implemented fallback AI models to ensure service continuity

- **Chat History:** Users can maintain conversation context across sessions



A LOOK AT THE CHATBOT SECTION



Meow

Home

Chatbot

Community

Veterinarians



Hello, Retaj!

Sign Out

Meow 🐱

Your cute cat assistant!

New Chat

Chat History

Session: chat_176...

Chat History

Start a new conversation with Meow! Ask me anything about cat care 🐱

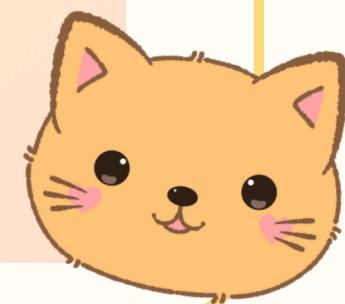
My cat eats less these day

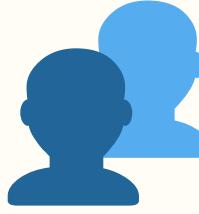


قد يكون هناك عدة أسباب لتقليل شهية قطتك، مثل المرض، التوتر، أو تغيير في النظام الغذائي. من المهم مراقبة أي أعراض أخرى مثل القيء أو الإسهال. إذا استمرت المشكلة، يُفضل استشارة طبيب بيطرى.

Type your message here... 🐱

Send





COMMUNITY FORUM



What it is?

- The Meow Community Forum is a social hub where cat lovers share heartwarming stories, tips, and experiences
- Users can create posts, interact through likes and comments, build connections with other pet enthusiasts, and contribute to a supportive ecosystem.
- The platform fosters a vibrant community around shared passion for feline companions.





PROBLEMS WE FACED



1

Cat owners often feel isolated in their experiences and lack a dedicated space to share stories, ask for advice, and connect with like-minded people.

2

Existing social platforms aren't tailored for pet-specific communities, making it difficult to find relevant conversations and build meaningful connections around shared interests.





HOW WE SOLVED IT



- Dedicated Platform:** Created a space exclusively for cat lovers to focus on feline-related content
 - Easy Posting:** Simple one-click story sharing with reverse chronological feed for fresh content
 - Social Engagement:** Integrated likes and threaded comments for meaningful interactions

- Authentication:** Built-in user authentication ensures trust and community safety
- Profile Pictures:** Integration with Random User API for diverse, engaging user profiles

- Real-time Updates:** Instant post appearance and live engagement metrics



A LOOK AT THE COMMUNITY SECTION



Meow

Home

Chatbot

Community

Veterinarians



Hello, Retaj!

Sign Out

Cat Lovers Community 🐱

Share your experiences and stories with our community



What's happening? 🐱

0/1000

Type

Category

Media

Post

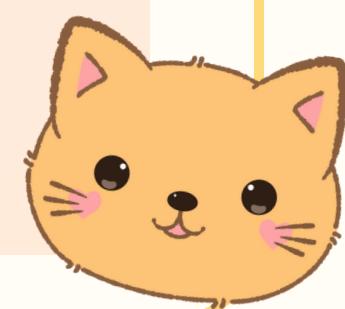
All Posts

general (2)

funny (2)

behavior (2)

health (1)



A LOOK AT THE COMMUNITY SECTION



Meow

Home

Chatbot

Community

Veterinarians



Hello, Retaj!

Sign Out



1

2

React

2



Alaa Ahmed:

good



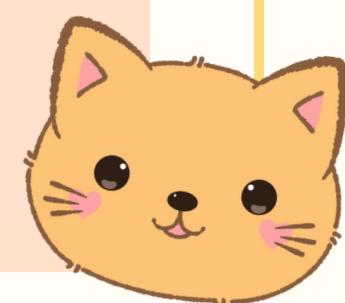
Retaj Ashraf:

Cute!!



Write a comment...

Post





VETERINARY CLINIC FINDER

What it is?



- The Vet Clinic Finder uses advanced web scraping technology to search Google Maps in real-time and extract comprehensive information about nearby veterinary clinics.
- Users enter their location and instantly get details including ratings, addresses, phone numbers, operating hours, and websites—all without leaving the platform.





PROBLEMS WE FACED

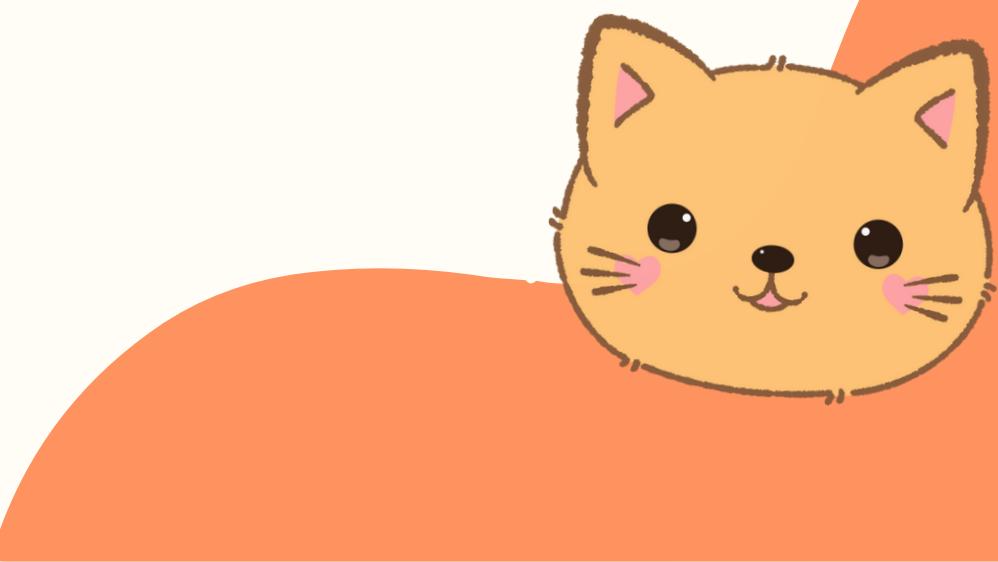


1

Finding a trusted, nearby veterinary clinic requires switching between multiple websites and platforms. Pet owners need to manually compare clinics by rating, hours, and distance.

2

Information is scattered, and there's no dedicated pet-focused clinic discovery tool integrated with a pet community platform.





PROBLEMS WE FACED



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HOW WE SOLVED IT



Google Maps Integration:
Real-time scraping using
Selenium to fetch live clinic
data

• **Comprehensive Data:**
Extracts ratings, addresses,
phone numbers, hours, and
websites in one view

- **Scrollable Results:** Dynamic loading of up to 30 clinics to maximize options

- **Location-Based Search:** Enter any location and find relevant vets instantly



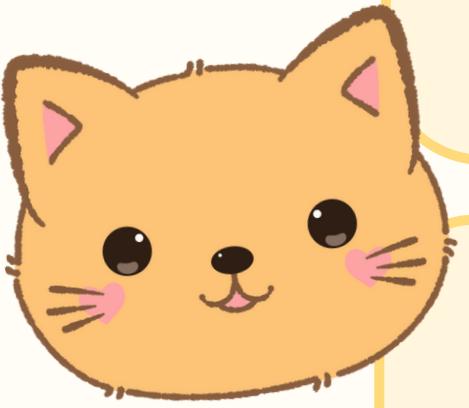


RESULTS & FUTURE ROADMAP



KEY RESULTS ACHIEVED

- **Functional Community Platform:** Successfully built a thriving forum with post creation, engagement, and real-time interactions
- **Intelligent Chatbot:** Deployed RAG-based AI that provides accurate, sourced veterinary advice with multilingual support



- **Live Vet Discovery:** Integrated real-time Google Maps scraping to help users find clinics instantly
- **Mobile-First Design:** Responsive interface that works seamlessly on all devices

- **User Authentication:** Secure login system protecting user data and community trust
- **Scalable Architecture:** Built with Python Flask backend and SQL Server for reliable data management



FUTURE WORKS & ENHANCEMENT



2. Enhanced UI/UX Design

- Modernize the interface with advanced animations and micro-interactions
- Implement dark mode for better accessibility
- Improve navigation flow and reduce cognitive load
- Add interactive dashboards and personalized feeds
- Optimize performance for faster load times

1. Pet Product Marketplace

Launch an integrated e-commerce section where users can browse and purchase cat food, toys, accessories, and health products. Curated recommendations from community experts and AI-powered product suggestions based on user preferences.

3. Multi-Pet Platform Expansion

Transition Meow into a comprehensive pet community platform supporting all pets. Each pet category will have specialized content, veterinary advice, and tailored clinic searches.





THANK
YOU!