

**MICHIGAN STATE**  

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**UNIVERSITY**

# Alpha Presentation

## AuditBuddy

The Capstone Experience

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*From Students...  
...to Professionals*

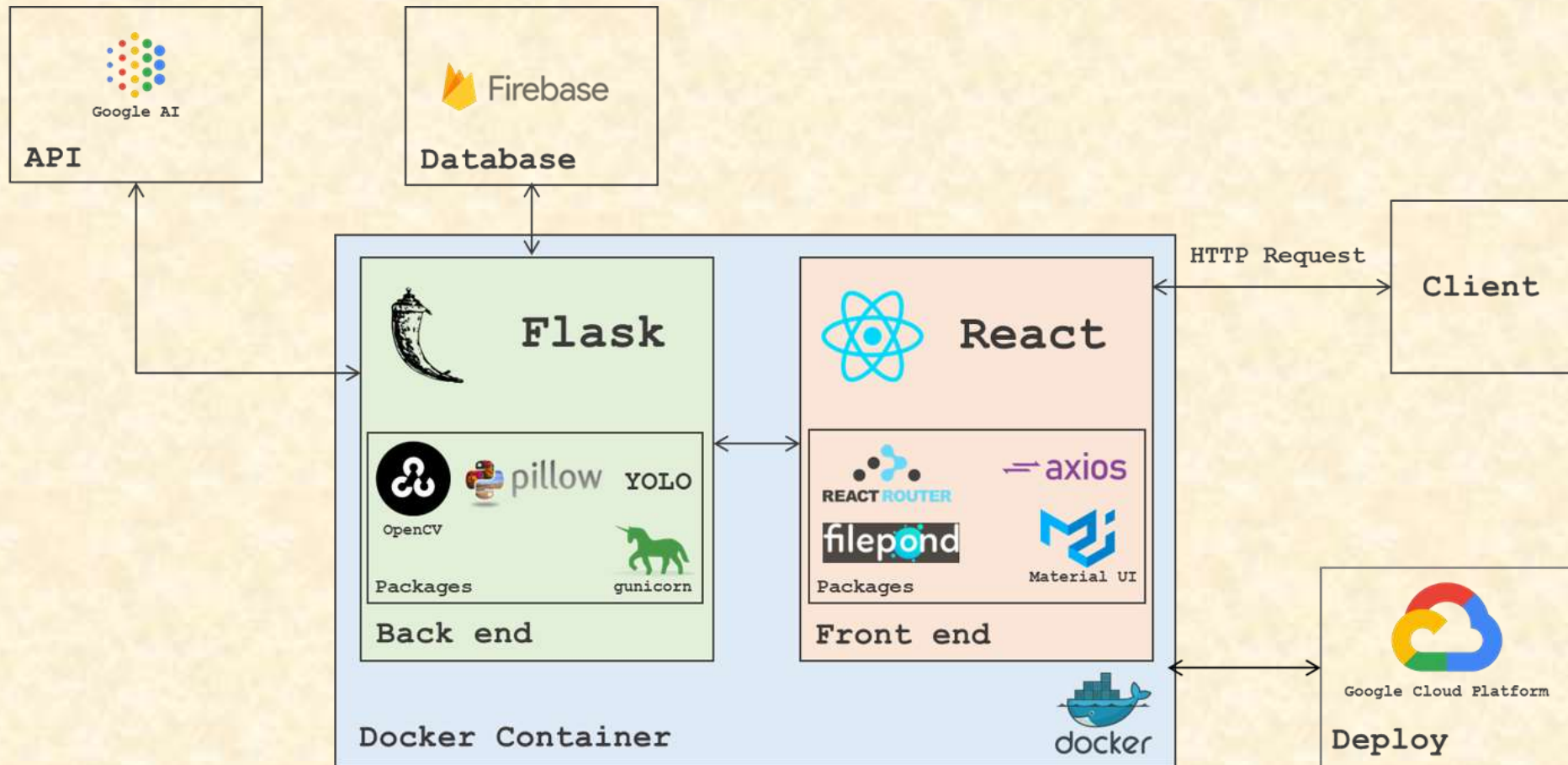
# Project Overview

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- Determine if a dealership is compliant with given brand standards
- Solves a laborious task by utilizing AI to analyze video footage from dealerships
- Will be used by the Urban Science audit team through a web application



# System Architecture



# Upload Page

Urban Science | AuditBuddy

127.0.0.1:8080/audit/upload

AUDITBUDDY

HOME AUDIT LOGOUT

Welcome,  
admin@email.com

- Dashboard
- Upload
- Results
- Console
- Dealerships
- Contact
- Settings

## Upload Media

Complete the form below and press 'Analyze' to process the audit data

**Dealership**

Dealership Name\* Graff Chevrolet Brand\* Chevrolet Department\* Sales Country\* USA

**Detection**

LOGOS DISPLAY CARS PARKING SPACES HOSPITALITY SPATIAL

Drag & Drop your files or Browse

- dealership\_showroom.jpg
- dealership\_outside.jpg

ANALYZE



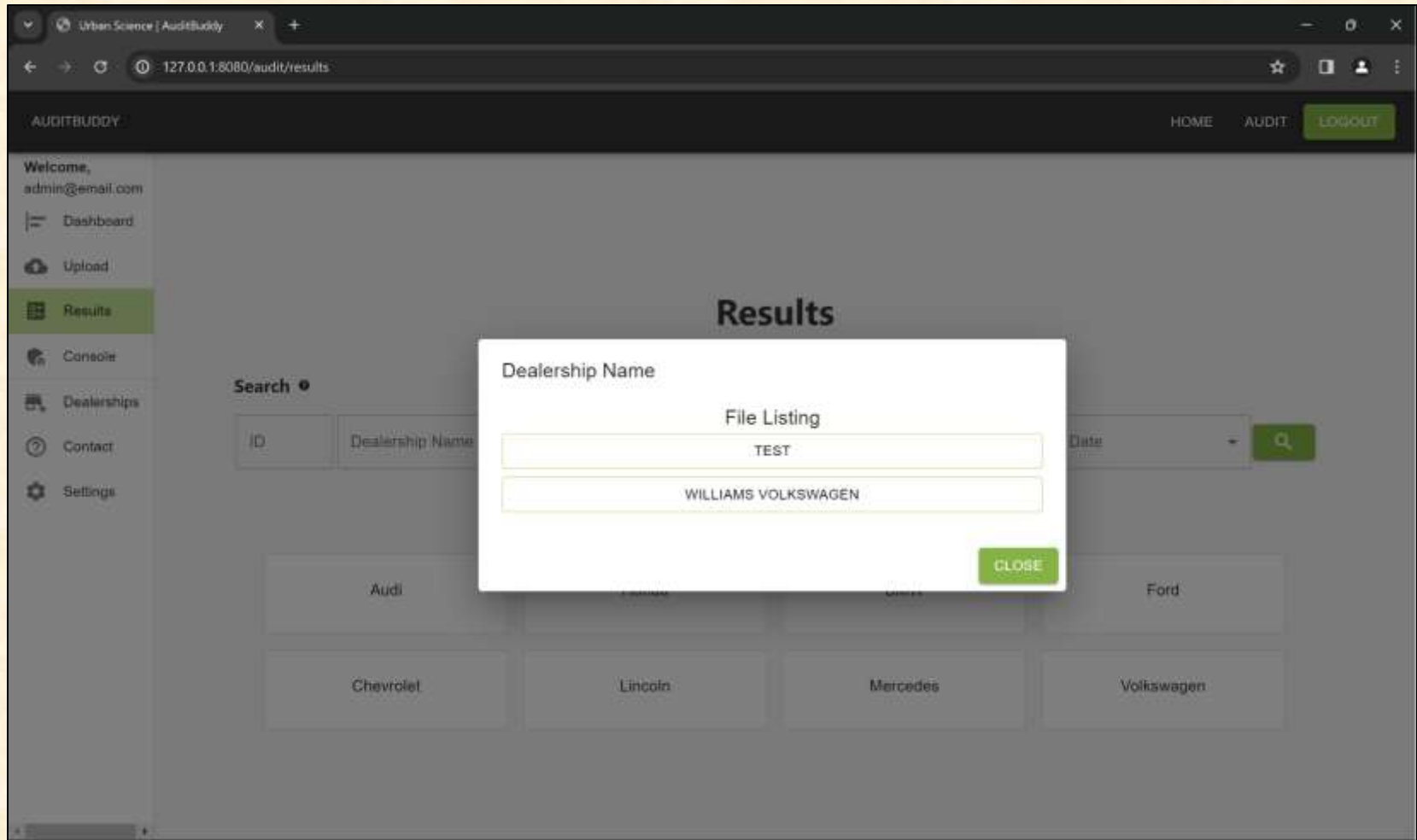
# Results Page

The screenshot shows a web browser window with the URL `127.0.0.1:8080/audit/results`. The page title is "AUDITBUDDY" and the user is logged in as "admin@email.com". The navigation menu includes "Dashboard", "Upload", "Results" (highlighted), "Console", "Dealerships", "Contact", and "Settings". The main content area is titled "Results" and features a search bar with the following filters: ID, Dealership Name, Brand, Department, Country, and Date. A search button is located to the right of the filters. Below the search bar, there are two rows of brand names displayed in a grid format:

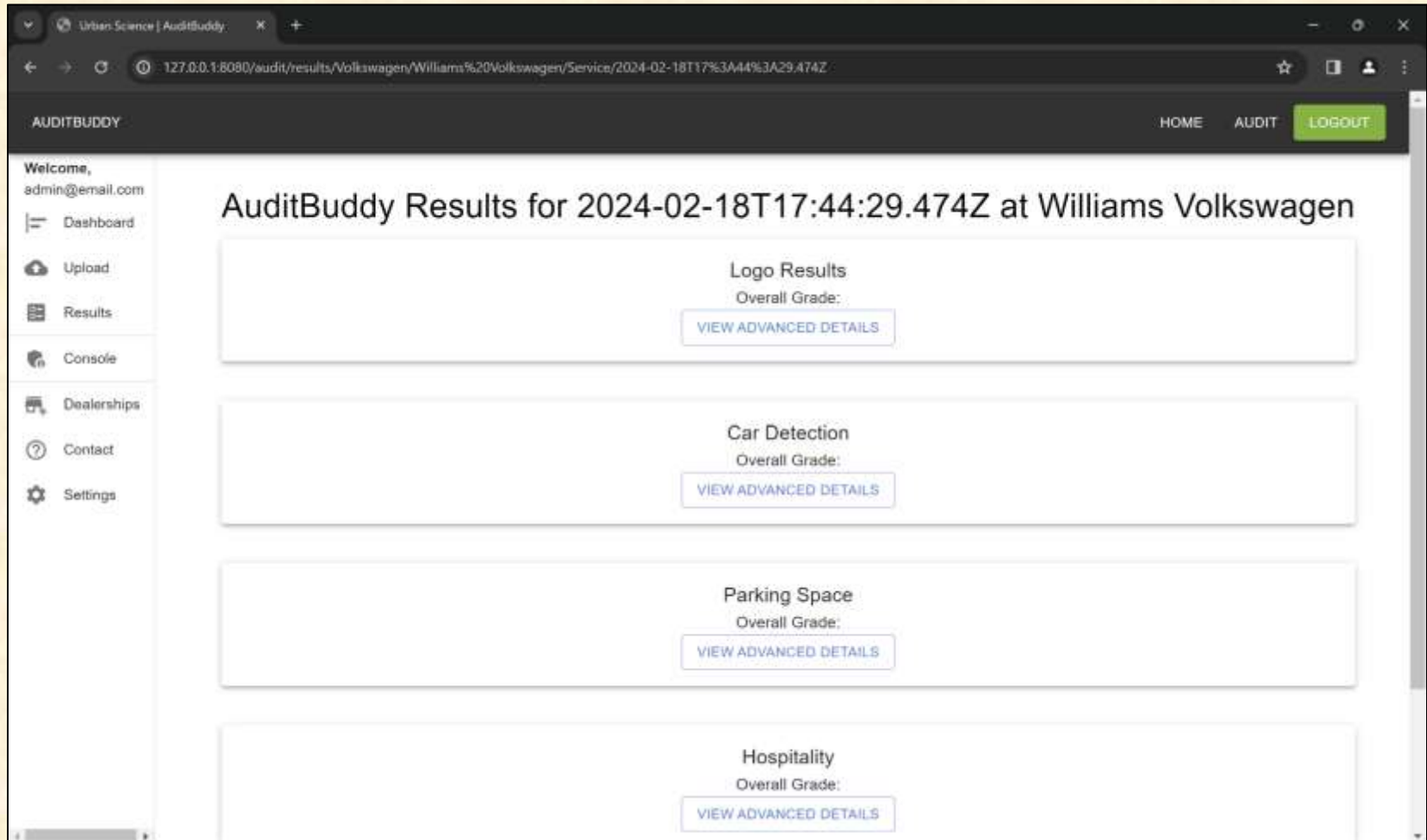
Audi	Honda	BMW	Ford
Chevrolet	Lincoln	Mercedes	Volkswagen



# Dealership Card Pop-up



# Advanced Results Page



The screenshot displays the AuditBuddy web application interface. The browser address bar shows the URL: 127.0.0.1:8080/audit/results/Volkswagen/Williams%20Volkswagen/Service/2024-02-18T17:34:44%3A29.474Z. The application header includes the logo 'AUDITBUDDY' and navigation links for 'HOME', 'AUDIT', and 'LOGOUT'. A sidebar on the left contains a 'Welcome, admin@email.com' message and a menu with items: Dashboard, Upload, Results, Console, Dealerships, Contact, and Settings. The main content area is titled 'AuditBuddy Results for 2024-02-18T17:44:29.474Z at Williams Volkswagen' and lists four audit categories, each with an overall grade and a 'VIEW ADVANCED DETAILS' button:

- Logo Results**  
Overall Grade: [Placeholder]  
[VIEW ADVANCED DETAILS](#)
- Car Detection**  
Overall Grade: [Placeholder]  
[VIEW ADVANCED DETAILS](#)
- Parking Space**  
Overall Grade: [Placeholder]  
[VIEW ADVANCED DETAILS](#)
- Hospitality**  
Overall Grade: [Placeholder]  
[VIEW ADVANCED DETAILS](#)





# What's left to do?

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- Generate personalized results for dealerships
- Preset dealership selection for auditors
- Further optimize our computer vision models
- Create a dashboard with various graphs
- Additional functionality to admin users
- Make web app mobile responsive
- Integrate Emotional Recognition API





# Questions?

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