MICHIGAN STATE UNIVERSITY

Beta Presentation

Employee Badge Image Validation Tool

The Capstone Experience

Team Amazon

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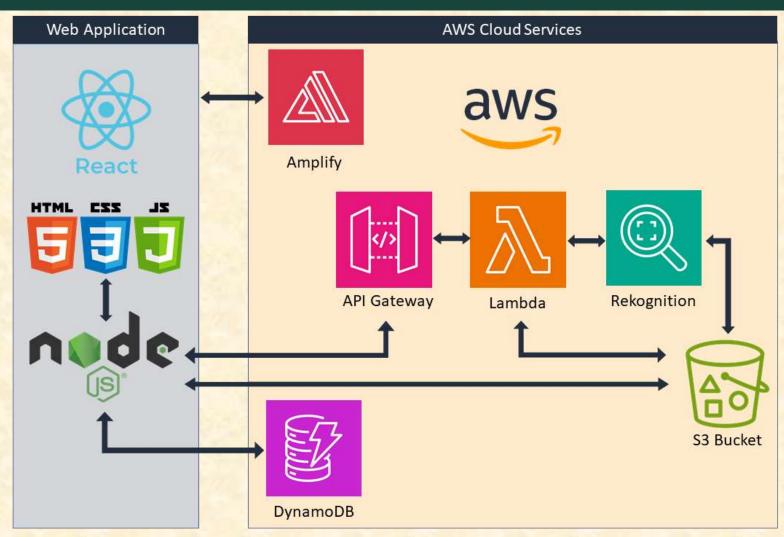
Spring 2024



Project Overview

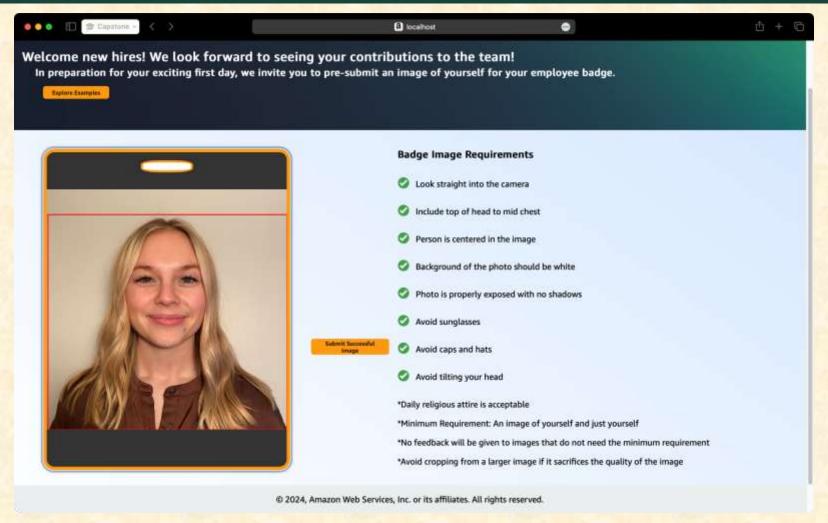
- Validates employee badge image against requirements
- Saves time for new hires and verification team
 - Instant feedback on proposed badge photos using machine learning
 - Accelerates new employee onboarding at Amazon
- Admin system to receive feedback from new hires and send updates to those hires, as well as model performance analysis.

System Architecture

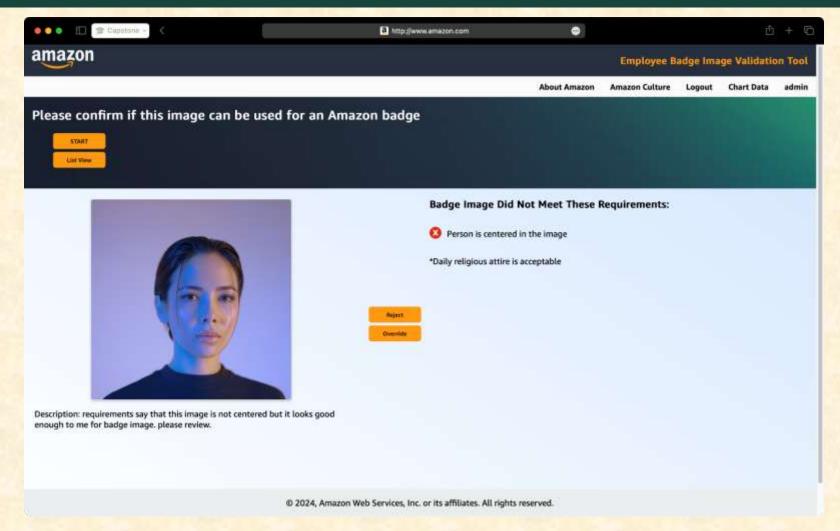




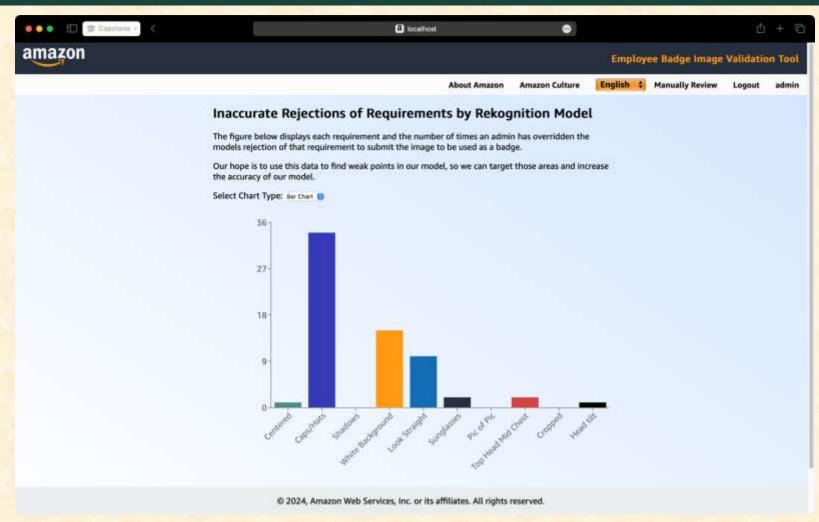
Approved Image Page



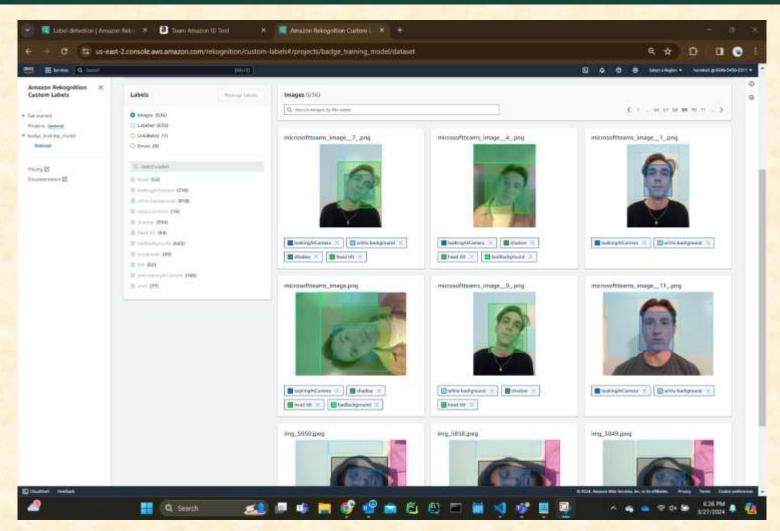
Admin Review Page



Model Performance Analysis



Custom Training Model



What's left to do?

- Simple Bug Fixes
- Stretch Goals
 - Mobile View Styling
 - Increase confidence for use after semester and more accurate results
 - Enhance overall styling

Questions?

