

**MICHIGAN STATE**  

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**U N I V E R S I T Y**

# Alpha Presentation

## Automated Video Workplace Safety System

### The Capstone Experience

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

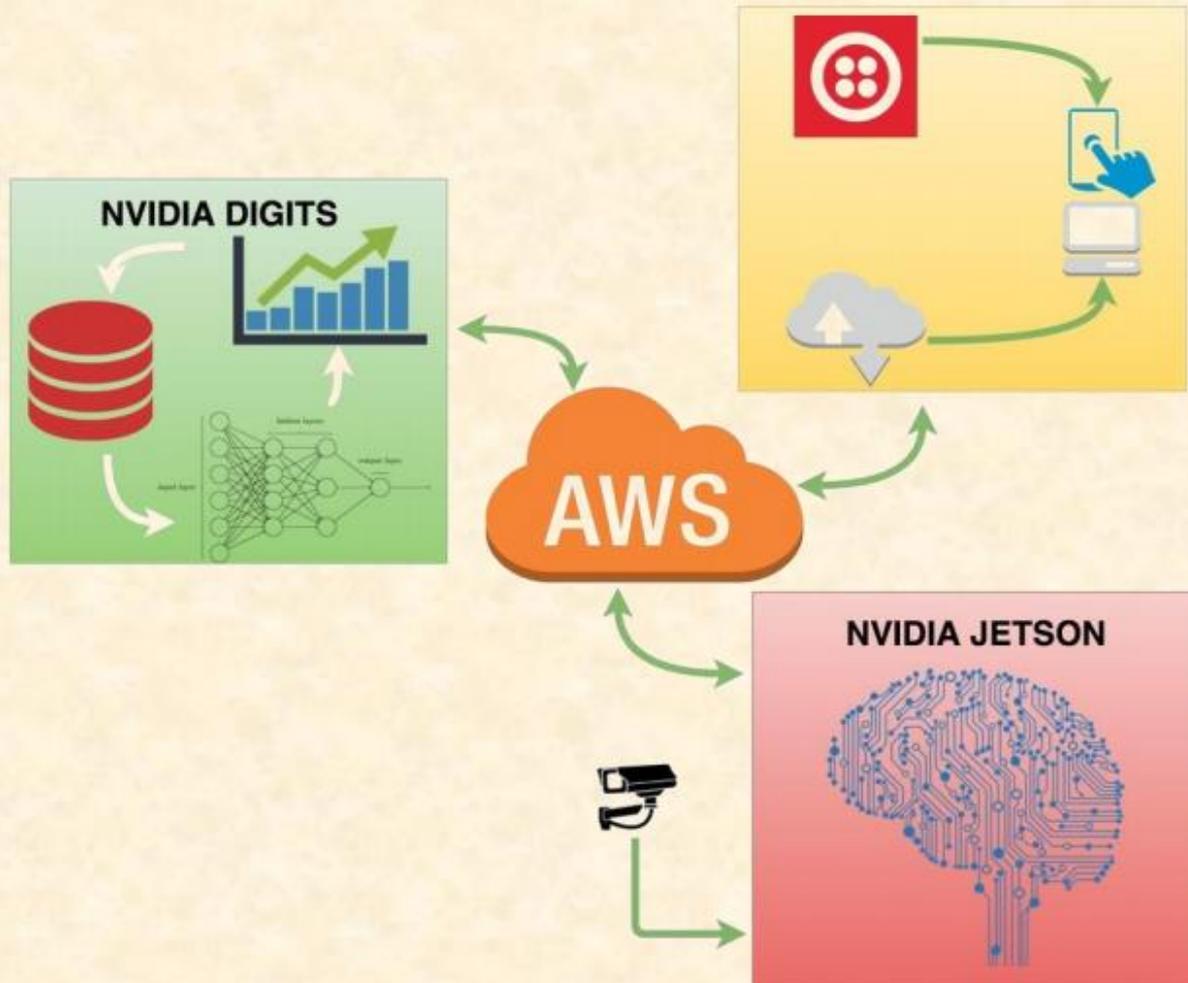
# Project Overview

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- Use cameras to identify workers missing proper Personal Protective Equipment (PPE)
- Notify safety managers of safety incidents via SMS
- A web portal will provide reporting of safety incidents to help managers identify patterns of concern.



# System Architecture



# What's left to do?

- Finish Training Models (Highest Priority)
  - Issues with training model – low accuracy
- Deploy PPE Models onto Jetson
- Finish Web Portal
  - Template created
  - Need to populate from database
- Call Lambda from Jetson



# Questions?

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