

# The Data Collecting and Management System for Mobile Crowdsensing D

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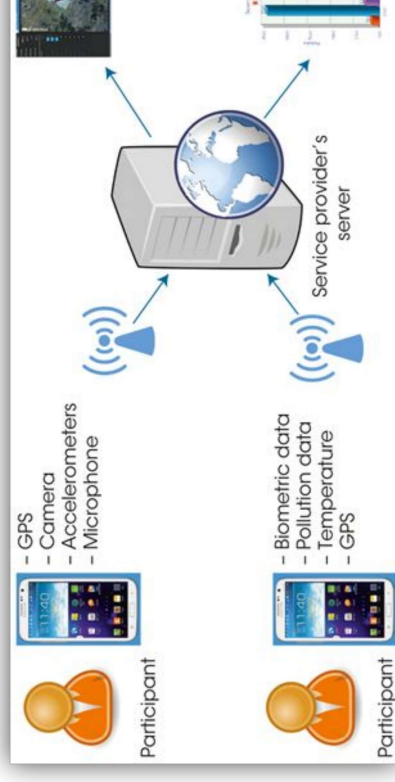
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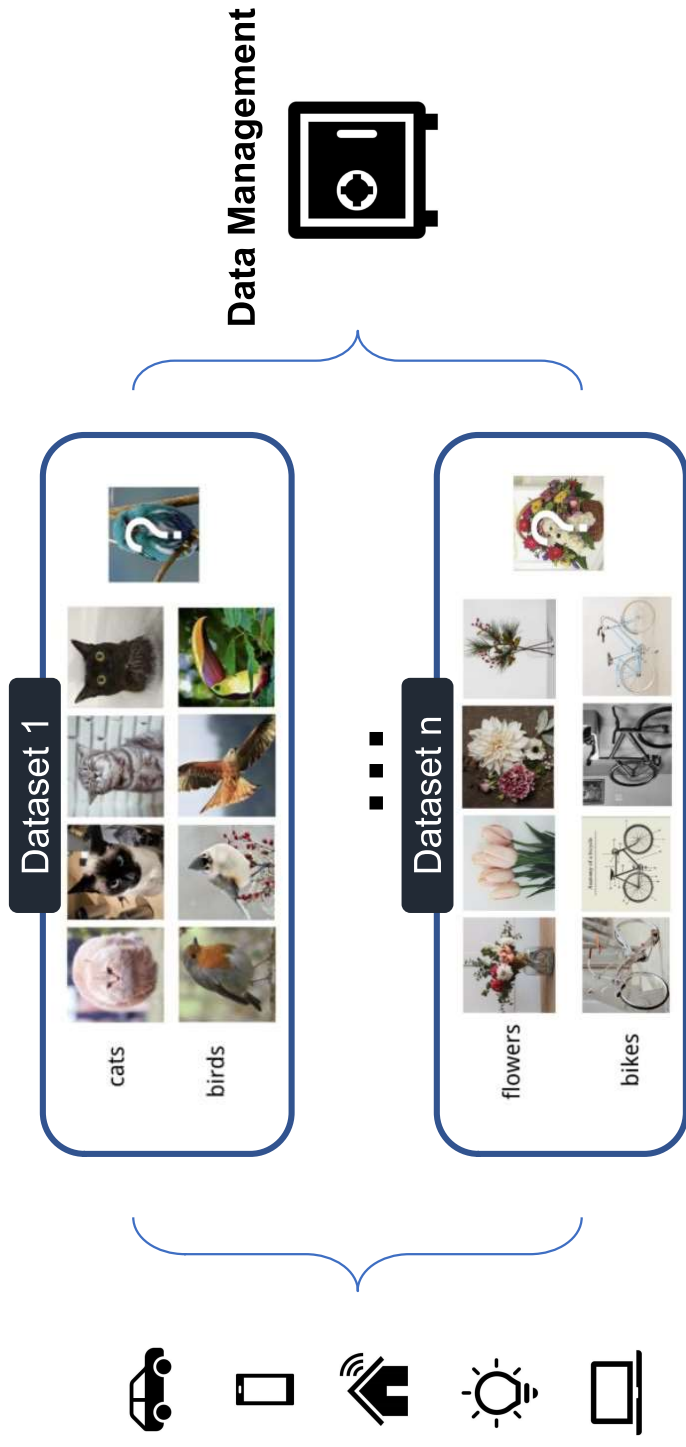
# Background - Crowdsensing

Crowdsensing lets individuals with sensing and computing devices gather multimedia data to extract information that collectively forms knowledge.



Source: <https://www.computer.org/publications/tech-news/research/crowdsensing-multimedia-data-security-and-privacy-issues>

# Background – Data Management



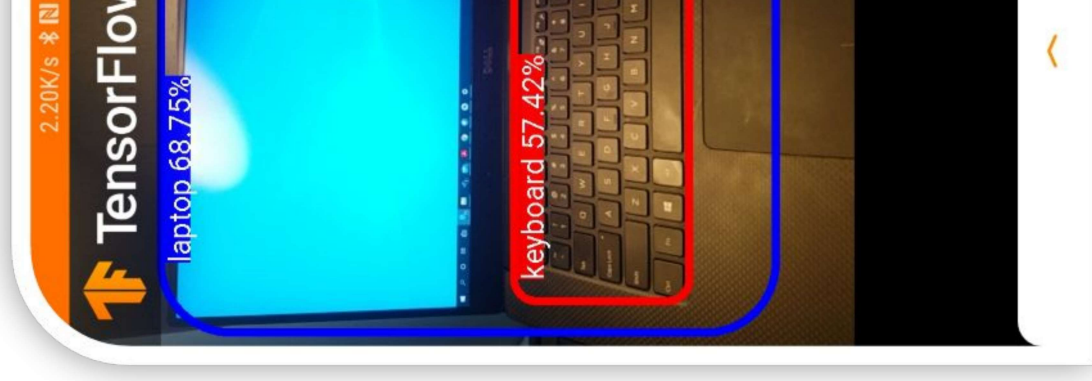
(Image thumbnails are from [Pinterest](#))

# Related Works – Mobile Crowdsensing

# Related Works – MongoDB

# Problem Definition

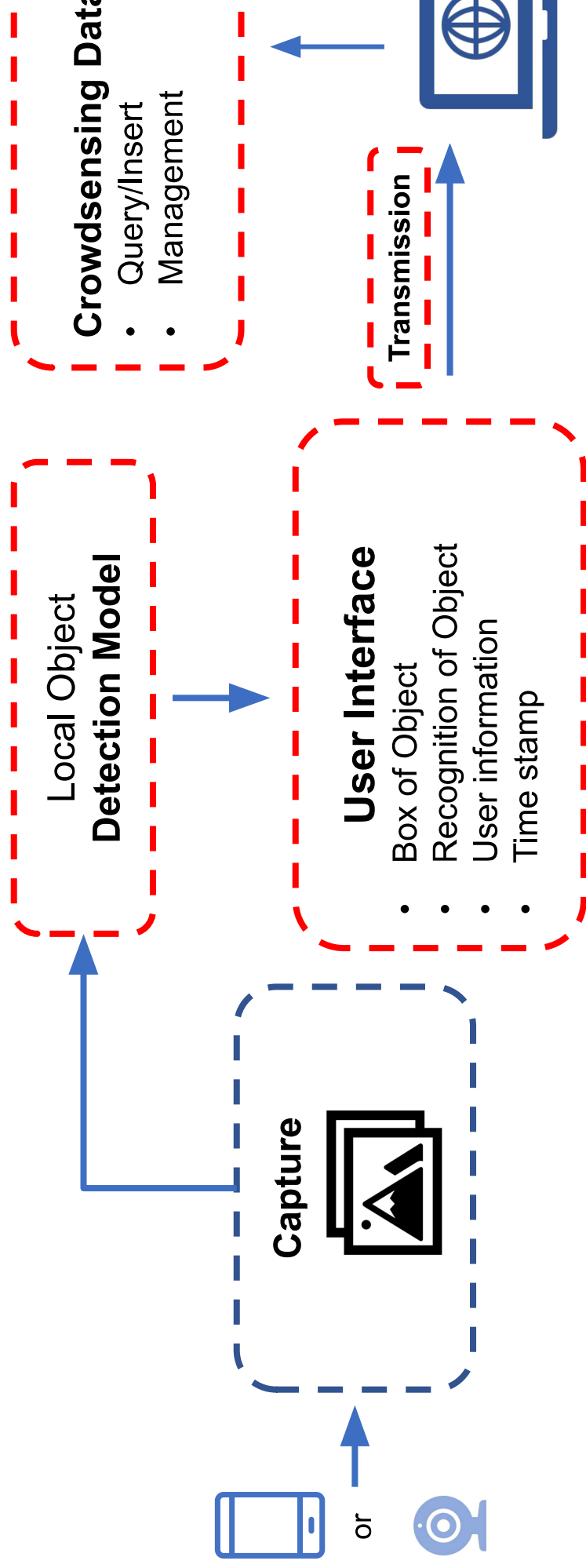
# Solution







# System Architecture



# Components – Participants Ends

# Components – Participants Ends (Con.t)

## TensorFlow Lite

- Enable Deploying machine learning models on mobile and IoT devices



Pick a model



Convert



Deploy



Optimize



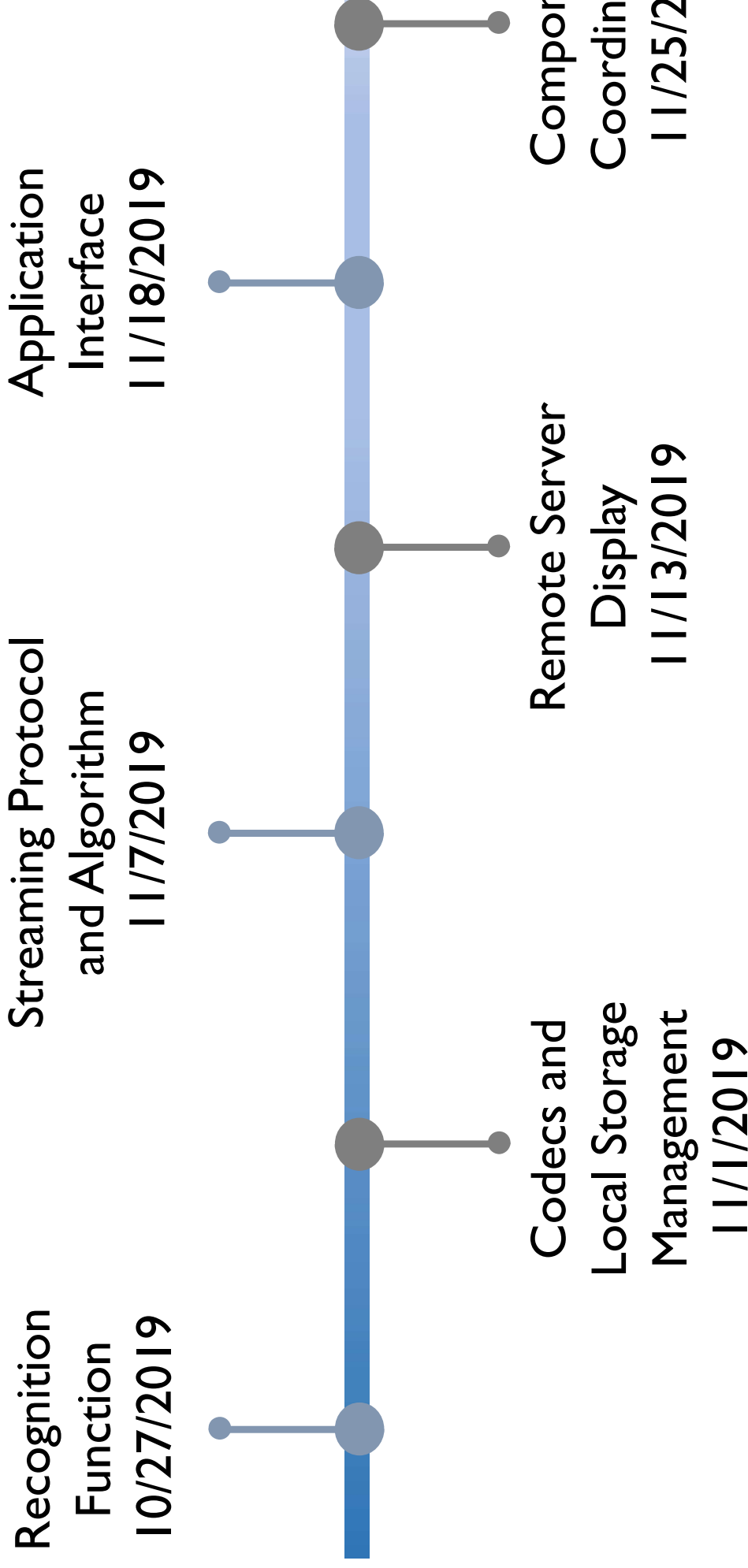
# Components – Communication Protocol

Python

# Components – Server End

Database System

# Timeline



# Summary



Q&A

Thank you !