

IMAGE RECOGNITION WITH IBM COULD VISUAL RECOGNITION

PROBLEM DEFINITION:

In this technology project you will continue building your project by developing the platform as per project requirement. Using web development technologies wherever needed.

BUILDING THE SERVERLESS VISUAL RECOGNITION:

Design the visual recognition device:

Select the relevant sensors and microcontrollers, such as temperature, humidity, GPS, etc.,

Set up IBM could:

Use a serverless computing like aws lambda or azure functions to handle the data processing and analysis. Create a cold storage like aws s3 or azure blob storage the incoming sensor data.

Configure event triggers:

Configure the visual recognition to send data to the serverless functions when ever a new data point is received or at regular intervals.

Data processing and analysis:

Write the serverless function to process the data in real time. this could involve filtering aggregating, transforming, or enriching the data.

Real time visualization:

Create a front-end application or dashboard to visualize the processed data real time. You can use web technologies. Like react, Angular or as along with serverless web hosting options like aws s3 aws cloud front, or azure static web.

Monitoring and alerts:

Implement monitoring and alerting functionalities to notify you in case of any data anomalies or critical events. Leverage serverless monitoring services like aws cloud watch or azure monitor.

Testing and deployment:

Thoroughly test your system to ensure it function as expected. Make use of techniques like unit testing. Integration testing, and load testing. Deploy you solution to the could platform of your choice.