

# Bank of Baroda Hackathon - 2022

Your Team Name : GLOGO

Your team bio : we develop solutions

Date :15/09/2022



# Automated Cheque Processing

## Why did you decide to solve this Problem statement?

After reading this problem statement, we expanded our investigation and produced facts and statistics.

So let's first discuss how important this solution is.

- This technique will significantly reduce incidents where checks bounce for unfortunate reasons.
- automation will accelerate the process to a very considerable extent.
- an extremely stable synchronisation between the human and the machine to optimise output with a minimal number of clicks.

## Interest

As CSE students, We are always ready to accept such a challenging task. Another important factor to choose this problem statement is that we have already worked on projects which can be used in this project such as corner edge detection model, ocr and signature pattern recognition.

# User Segment & Pain Points

Which user advertiser segment would be early adopter of your product & why?

**Bank Employees** - They find difficulty to process every check and it's very hard to understand every handwriting and there is high chance of cheque bounce which leads to penalty. So if this process is automated then there's less chance of cheque bouncing and save huge amount of time which will overall increase efficiency and quality of work.

**Bank Account Users** - Users will love to use this technology as an app to check if this is going to pass or it'll bounce so they act accordingly before going to bank.

# Pre-Requisite

What are the alternatives/competitive products for the problem you are solving?

Indirect Competition

- Manual Cheque Checking

Alternatives

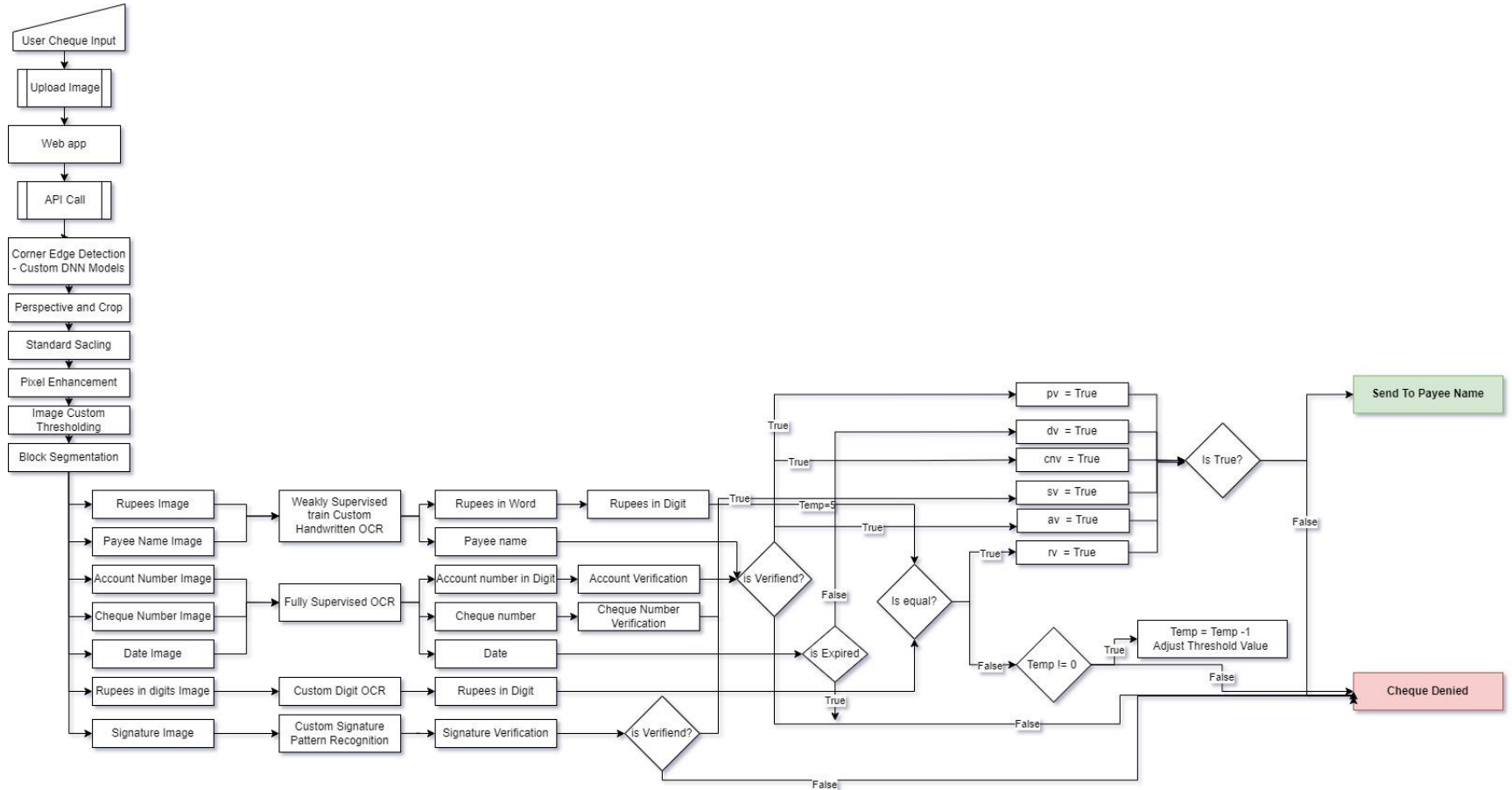
- Online Net-Banking

# Azure tools

## Azure Tools:

- Azure VMS to launch API's on Public DNS
- Azure GPU's to train models

# Supporting Functional Documents



# Key Differentiators & Adoption Plan

**advantage of our approach.**

- custom ai models with high accuracy.
- strong pipeline.
- custom filters (eg: can find out whose cheque get bounced).
- Ai validated the check five times before cancellation .

# GitHub Repository Link

<https://github.com/Dhruvagwal/BOB---Cheque-Process-Automation/>

<https://github.com/Dhruvagwal/BOB---Cheque-Process-Automation/blob/main/archi.drawio.svg>



# TECHGIG

# Thank You

Team member names