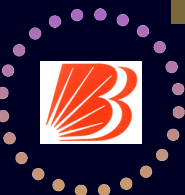
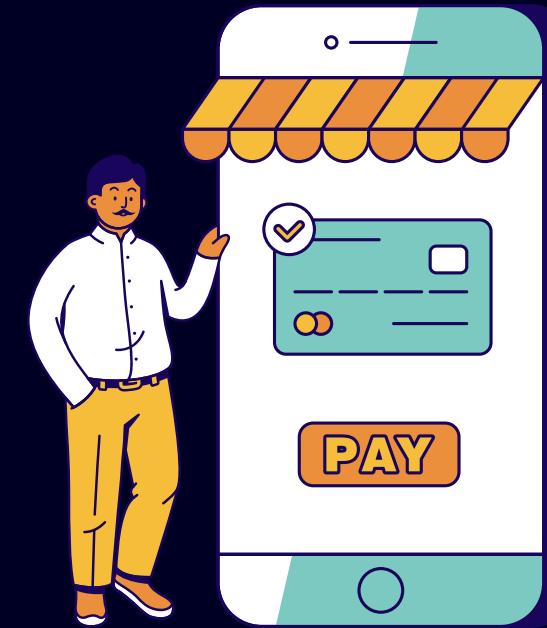




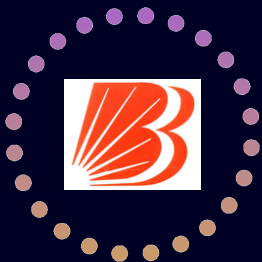
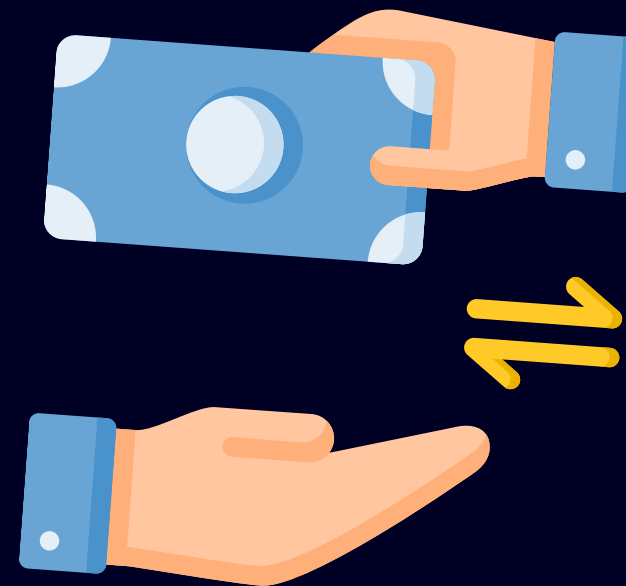
CHITR.AI

Presented by RPAISlate



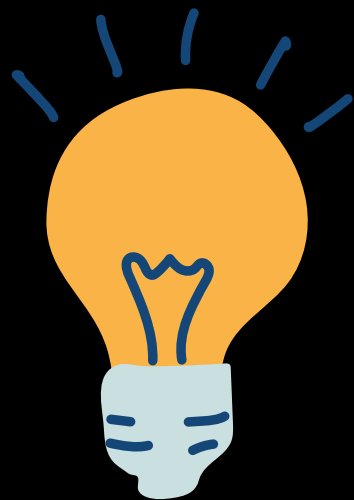
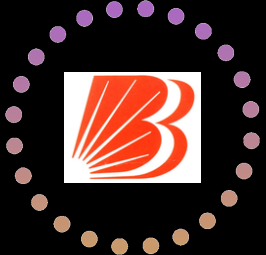


Bank handles large volumes of cheques in the clearing process. The process involves many technical verifications including signature verification. Some of these steps are manual and require human intervention to complete the process. The current process requires the high human capital deployment and longer processing time.





- We have used computer vision with OCR to extract fields from bank cheques, thereby automating the process of cheque processing in Banks.
- OCR automates the system of changing unstructured codes into machine-readable, searchable text. For example, if you have ever scanned a receipt into your phone, you have used this technology. For banks, this makes paper-to-virtual records access an awful lot quicker.
- Our software will work for both Inward & Outward Clearing cheques.



Automated Cheque Software idead is not new, there are various existing softwares based on this idea:-

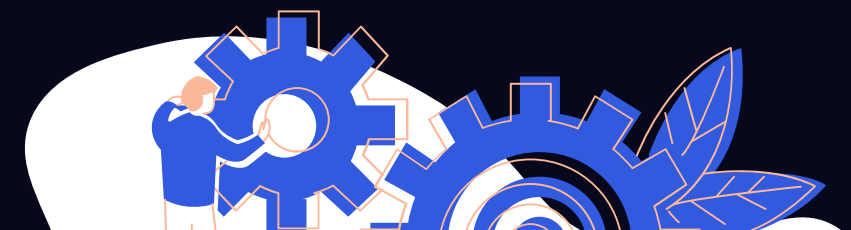
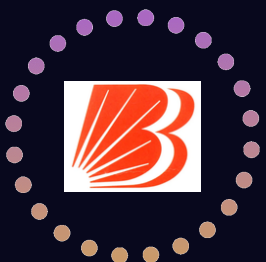
Arya.AI

Their module consists of six different AI models for the various fields including Date, MICR, Amount in words and figures, Account Number and Signature extraction and verification.

Jetir.org

They have divided the whole process into 3 processes - *Pre- processing and digit extraction, Training the classifier and testing of the data set and Post processing of the recognized digits.*

There are many existing models and systems developed and published by many developers and authors in the past decade. Few of the models were successful and others did not attain the necessary criteria to be qualified as successful.



AZURE TOOLS OR RESOURCES



Optical character recognition documentation - Quickstarts, Tutorials, API Reference - Azure...

The cloud-based OCR API provides developers with access to advanced algorithms for reading text in images and...

 docsmsft /



What is Optical character recognition? - Azure Cognitive Services

The optical character recognition (OCR) service extracts visible text in an image and returns it as structured...

 docsmsft /



Quickstart: Optical character recognition (OCR) - Azure Cognitive Services

Learn how to use Optical character recognition (OCR) in your application through a native client library in the...

 docsmsft /



What is Image Analysis? - Azure Cognitive Services

The Image Analysis service uses pre-trained AI models to extract many different visual features from images.

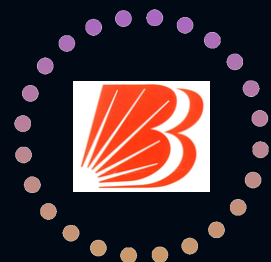
 docsmsft /



Computer Vision

Extract rich information from images and analyse content with Computer Vision, an Azure Cognitive Service.

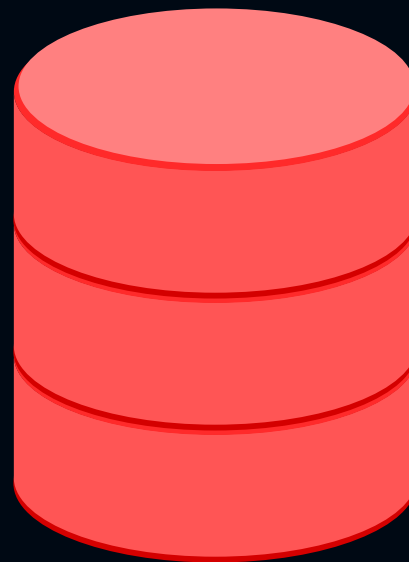
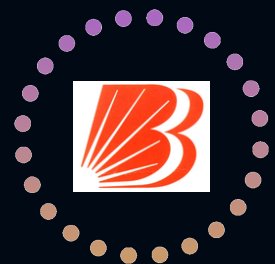
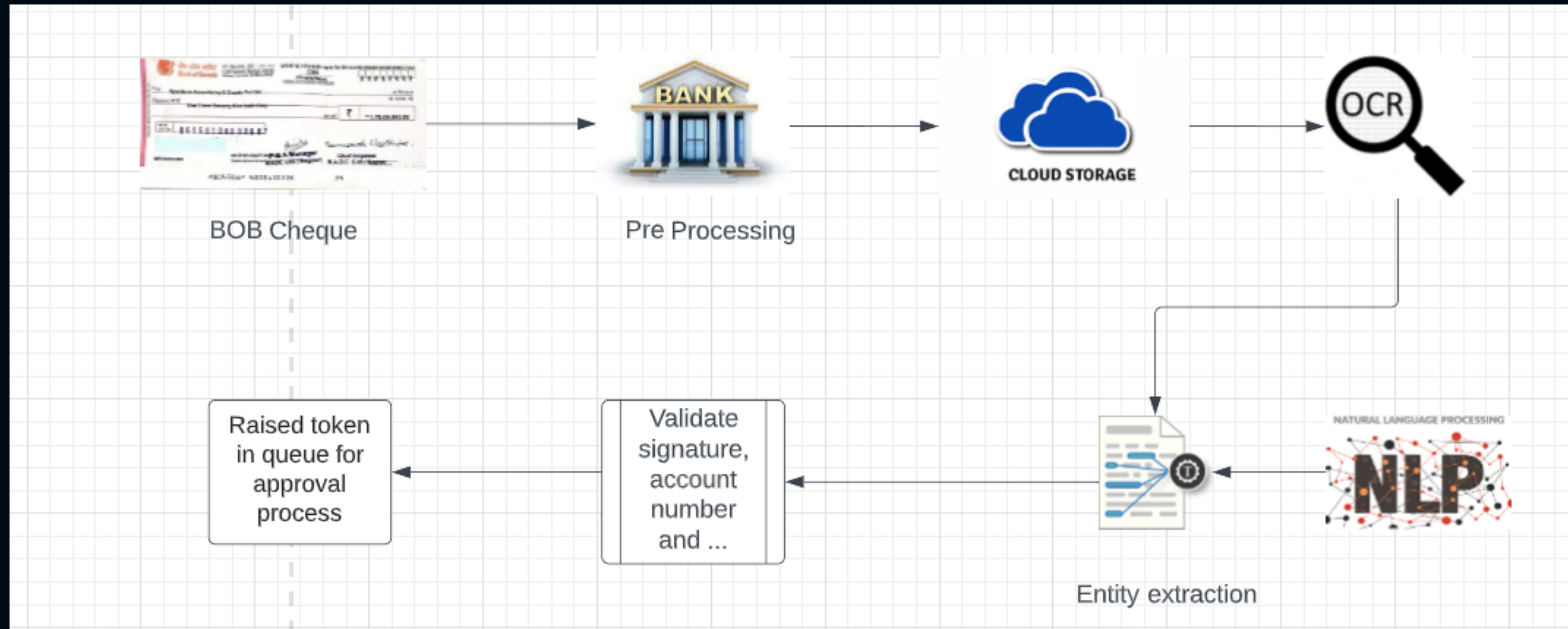
 Microsoft Azure



TECHGIG



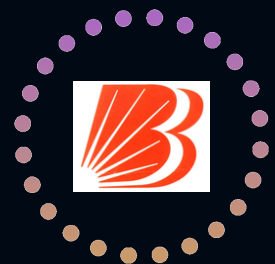
ANY SUPPORTING FUNCTIONAL DOCUMENTS



KEY DIFFERENTIATORS & ADOPTION

PLAN

- We aim to use both Inward & Outward Clearing cheques
- Reduced operational costs by a considerable amount.
- Reduced chance of human errors.
- Lower risk and chance of fraud



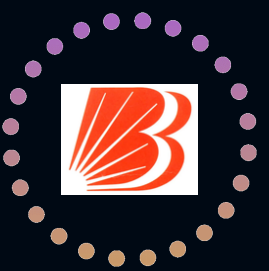
TECHGIG





TECHNOLOGY NEEDED IN MI-BILL-BOARD





Thank You
For Watching

TECH**GIG**