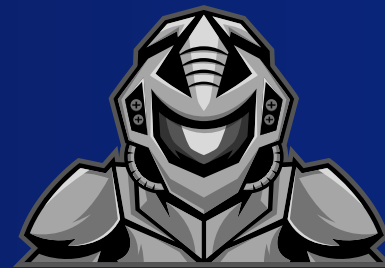


# MICROSOFT#BUILDFOR2030

HEALTH CARE BOT AND DATA ANALYTICS

Sustainable Project



TEAM-RAPTORZ

DEEPAN

# Major challenges Healthcare industry

- Opioid Crisis –Over dosage of drugs increase in death rate
- Irrelevant Information and Integrated Health Services
- No Advanced Health Technology
- Cybersecurity–Data breach
- Rising Healthcare Costs
- Payment Processing and Invoicing –Insurance claim
- Regulatory Changes
- External Market Disruption

# Our Solution Outcome



## Advanced Technology

Integrating to advanced technology for data analytics and also to improve customer patient care through best CRM software.

## Cybersecurity

Data security in place firewall and authorization should improve which takes care of patient data in a highly secured way

## AI-BOT

AI-bot which solves major problems and solving queries which is highly available 24/7 also acts as a patient care by analysis the patient health data and suggest health precautions

## Customer Insights

Analysis patient data and taking action before the crisis. shift from a traditional clinical interview with a focus on acute illness to involving patients and better staff communication

## Opioid Crisis

Misuse of prescription drugs is gradually gaining recognition in many country. It is important that healthcare enterprises and pharmaceutical companies come together to propagate tighter laws

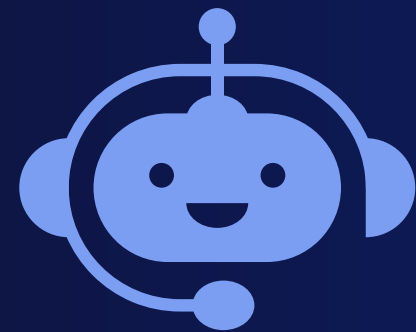
## Insurance Claim

Healthcare companies can break the whole payment into small chunks to help patients/payers better plan their finances and mode of payment through Automation.

# GO DIGITAL SAVE PAPER



In our project we are providing solution for three problems which faced by major healthcare industry



## Schedule Appointment

Medi Assit Ai Bot schedule medical appointment as per doctor availability and to customer need without reaching service desk and confirmation mail of the appointment sent to mail address



## Automate Insurance Claim

Medi Assit Ai Bot checks Patient Insurance policy number in the data record which is stored in Cosmodb and post validation shares the document for claiming insurance which includes all mandatory like bill invoice upload option and share the document to admin for validation post patient document submission everything carried through automation



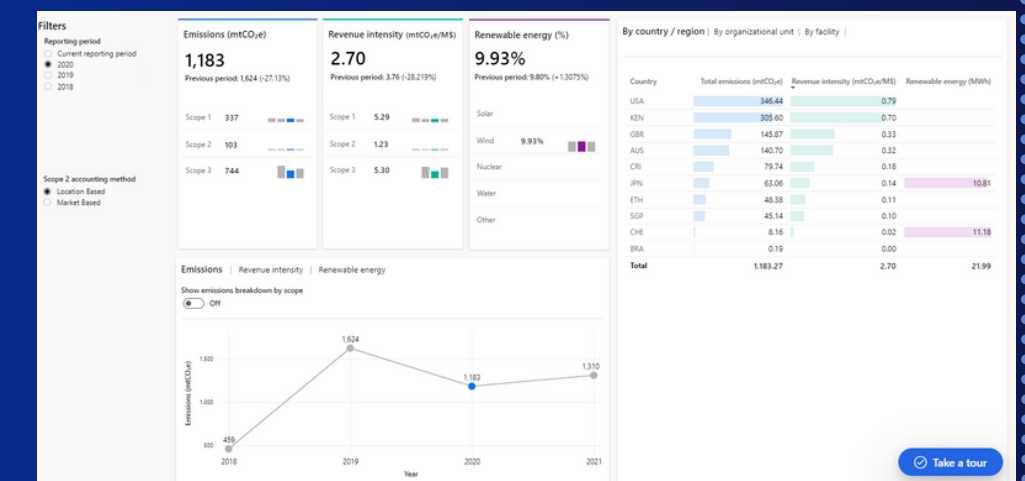
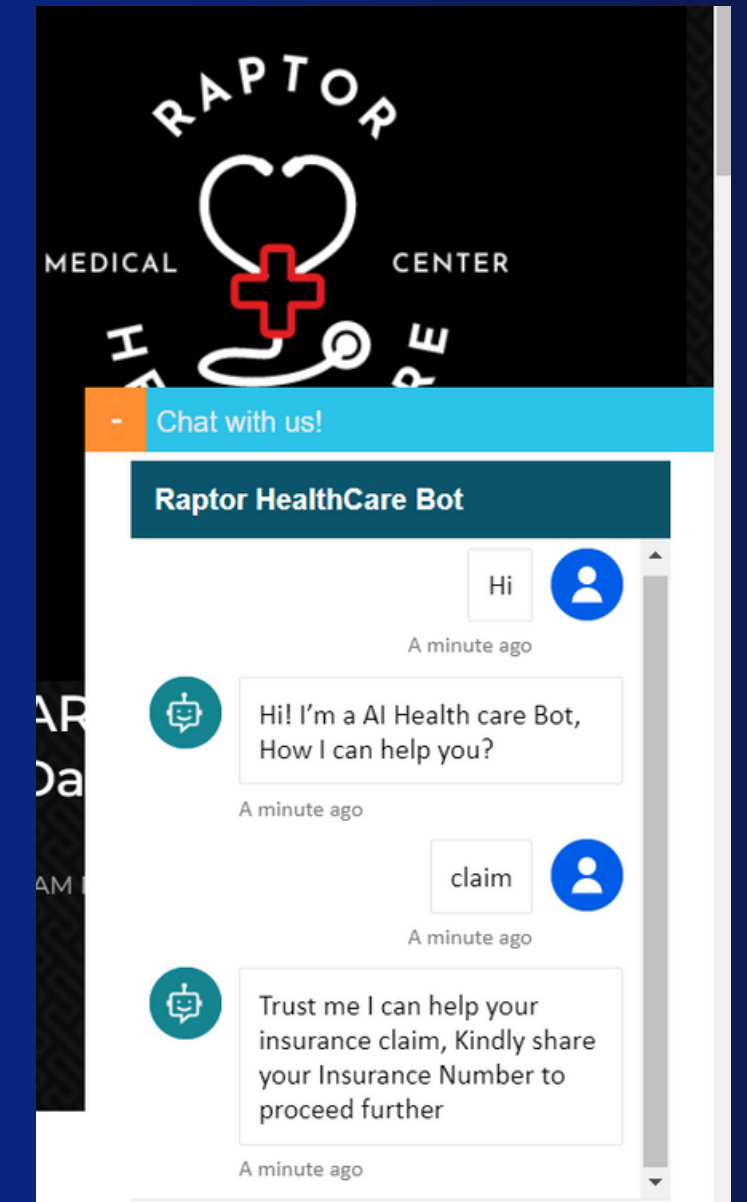
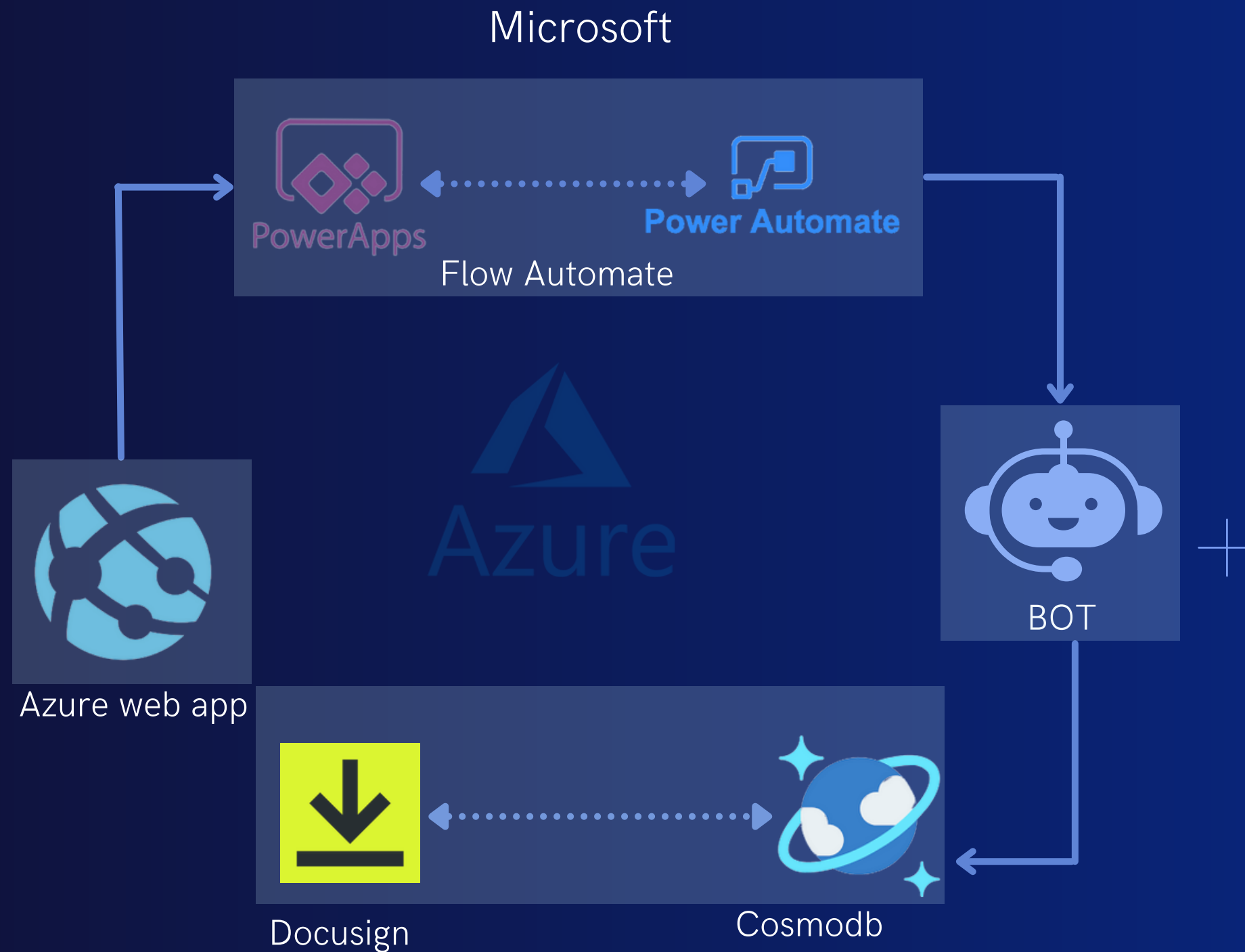
## Medicare Data Analytics

Big data analytics - Data of the patient unstructured record and insurance claim data analyzed through azure data factory and segregated into a structured data later stored into Azure blob container at the end visualized for better understanding which solves repeated calculation works.

# AI BOT ARCHITECTURE DIAGRAM



<https://microsofthacks2023.azurewebsites.net/>



# MICROSOFT POWERAPPS



Trigger Phrases (3)

insurance claim  
Claim  
INSURANCE

Question

Ask a question

Trust me I can help your insurance claim queries.  
May I know your good name please

Identify

Multiple choice options

Options for user

New option

Save response as

(x) Name (text)

Question

Ask a question

Hi {x} Name .  
Kindly share your Insurance policy Number to proceed further...

Identify

Multiple choice options

Options for user



Create Envelope

accountId 449962ce-9230-410a-88b2-b700c4f4e649

emailSubject Medical Insurance Claim - Insurance Num... x

templateId d67257ac-fd9e-4b60-8b78-61510345bd68

templateRoles

roleName\_1 Client

templateRoles name - 1 Name x

templateRoles email - 1 Email x

templateRoles

roleName\_2 Admin

templateRoles name - 2 Twilight

templateRoles email - 2 mailreytest@gmail.com

templateRoles

roleName\_3 Manager

templateRoles name - 3 Kavya

templateRoles email - 3 deepanrey777@outlook.com

+ Add new item

status status

Return value(s) to Power Virtual Agents



RAPTOR MEDICAL CENTER

Chat with us!

Raptor HealthCare Bot

Hi

A minute ago

Hi! I'm a AI Health care Bot, How I can help you?

A minute ago

claim

A minute ago

Trust me I can help your insurance claim, Kindly share your Insurance Number to proceed further

A minute ago



# DEMONSTRATION



## Git hub link

<https://github.com/TWILIGHTCLOUDCODERZ/Microsoft-BuildFor2030-Hackathon.git>

## Video Link

<https://youtu.be/5161VbIb01A>

## WebApp

<https://microsoftthacks2023.azurewebsites.net/>

# TEST APP

## WEB VIEW

<https://microsofthacks2023.azurewebsites.net/>



## GITHUB

<https://github.com/TWILIGHTCLOUDCODERZ/Microsoft-BuildFor2030-Hackathon.git>

