MICHIGAN STATE UNIVERSITY

Alpha Presentation Leveraging OpenAl for Business Analytics

The Capstone Experience

Team HAP

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From Students... ...to Professionals

Project Overview

- Web application with three main features:
 - Chatbot
 - Call Summarization Tool
 - Plan Selector Quiz

 Utilizing OpenAI and machine learning algorithms

System Architecture



Call Summarization Tool

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late .	Cell Subject	Keywordla	Transcript File	Call Subject Trends for October
023-10-06	Coverage	Medication, Coverage, Migraines	transcript31.bd	Covyriger 19
223-10-13	Provider	Mental health, Psychologist, In-network	transcript35.bit	Coverage Provider
023-10-10	Billing	Billing, Coverage, Lab testa	transcript22.txt	10557 Billion
023-10-10	Medicall 5il	Surgery, Billed services, Elective procedures	transcript77.58	Medcell bil
023-10-23	Billing	Colonoscopy, Billing, Payment options	transcript47.bit	Medication Update
023-10-04	Medication	Cost increase, Prescription drug, Medication	transcript48.bxt	Burgary
023-10-12	Billing	Medical bill, Charges, Payment options	Transcript36.btf	1273 Sin Network
223-10-15	Coverage	Coverage, Prescription, Zytoxin	transcript27.txt	Addition
023-10-24	Update	Job change, Enroll, New employer	transcript43.bit	12% Oppuments
23-10-01	Coverage	Letter, Coverage, implications	transcript40.bit	4.4% • Matamity
23-10-26	Surgery	Knee replacement, Scheduled surgery, Financial aspects	Itanscript70.btl	• Marriago
23-10-20	Coverage	Type 2 dabetes, Coverage, Management	transcript53.bit	Aurs . 0 das. • Specialist
223-10-05	In-Network	In-network specialist, medical condition, meumatologist.	transcript24.txt	Coverage Coverage Coverage Coverage Coverage Coverage Coverage Coverage
23-10-01	Medication	Lipidex coverage, Dosage, Affordability	transcript69.txt	• Atternative
	Duration	Description of Language Discourses	Annual and an	



Chatbot



Plan Selector Quiz

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			Agent Tools - Customer Tools -
Question 6			
Question o			
Do you travel frequently, either within or outside the United States?			
Select an option			v
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The Capstone Experience Team HAP Alpha Present	ation		

Plan Selector Quiz Results

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Summary					
Q1: What is your current age? A: Under 65					
O2: Are you currently enrolled in Original Medicare (Part A and Part B)? A: Yes					
Q3: Do you have any specific healthcare needs or chronic conditions that require ongoing care? Please specify. A: Eye care					
Q4: Are you currently taking any prescription medications? If so, please list them or describe your general medication needs. A: No					
Q5r What is your preferred maximum monthly premium for a Medicare plan? Δ: \$50 - \$100					
Q6: Do you travel frequently, either within or outside the United States? A: Yes					
Q?: Are you interested in additional benefits like dental, vision, or fitness programs? A: Yes		_			
Q8: Would you like coverage for prescription drugs (Medicare Part D)? A: Yes					
OP: Do you have a preferred network of doctors and healthcare providers you would like to continue seeing? A: No					
Q10: What is your ZIP code or the area where you primarily receive healthcare services? A: 48381					
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What's left to do?

Chatbot

Call Summarization Tool

Plan Selector Quiz

 Finalize front-end design in accordance with HAP marketing guide



Questions?

