1. INTRODUCTION

1.1 Project Overview

HealthAI is a cloud-based intelligent healthcare assistant that leverages IBM Granite and Hugging Face models to provide AI-powered medical insights. The platform allows users to input symptoms and receive potential condition suggestions, promoting early diagnosis and health awareness. With a simple interface and educational tone, it serves users across various demographics, especially in underserved regions.

1.2 Purpose

The purpose of HealthAI is to enhance public access to preliminary healthcare guidance using AI. It aims to assist individuals in recognizing symptoms, understanding possible conditions, and promoting timely medical attention—especially where healthcare access is limited.

2. IDEATION PHASE

2.1 Problem Statement

Many individuals face delays in accessing healthcare due to limited medical infrastructure, especially in rural areas. There is a lack of tools that can help users understand their symptoms early without visiting a hospital. An AI-based assistant can serve as a bridge for early guidance and health awareness.

2.2 Empathy Map Canvas

Says: "I don’t know what’s causing these symptoms", "Is this something serious?"

Thinks: "Should I see a doctor?", "Is this urgent?"

Does: Searches symptoms on Google, delays professional consultation.

Feels: Confused, anxious, unsure about what to do next.

2.3 Brainstorming

- AI-powered symptom checker using Hugging Face & IBM Granite models

- Streamlit-based web app for user interaction

- Educational health explanations for suggested conditions

- Cloud-based deployment for universal accessibility