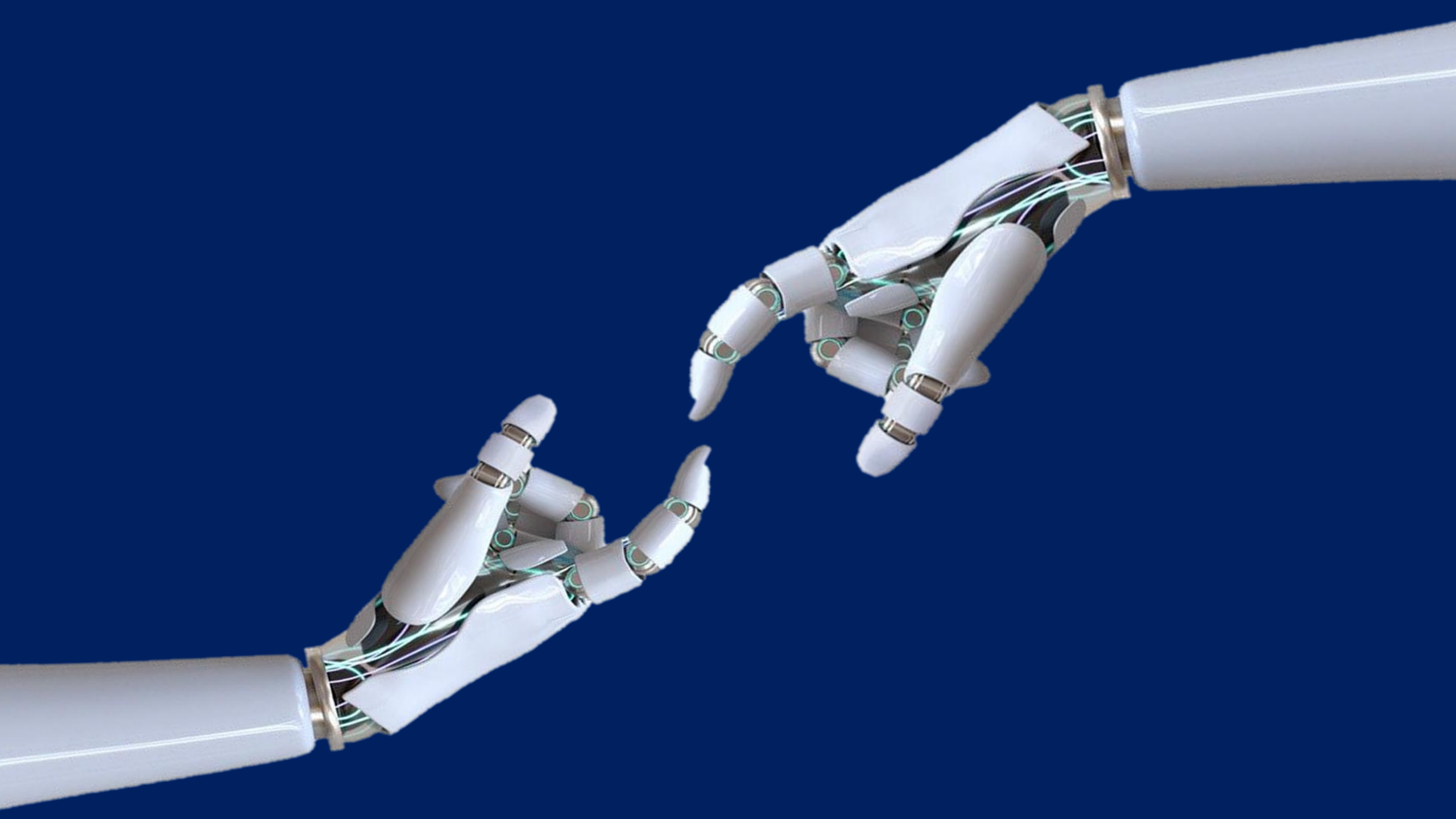


The image features two white, futuristic robotic hands reaching towards each other from the left and right edges of the frame. The hands are positioned as if about to grasp or shake hands. The background is a solid, deep blue. In the center, the text 'TubeMate AI' is written in a large, bold, white sans-serif font, with 'Aryam Alanazi' written below it in a smaller, regular white sans-serif font.

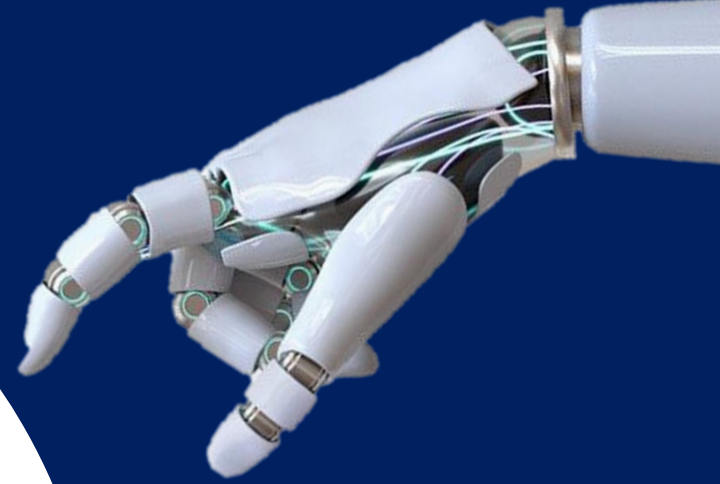
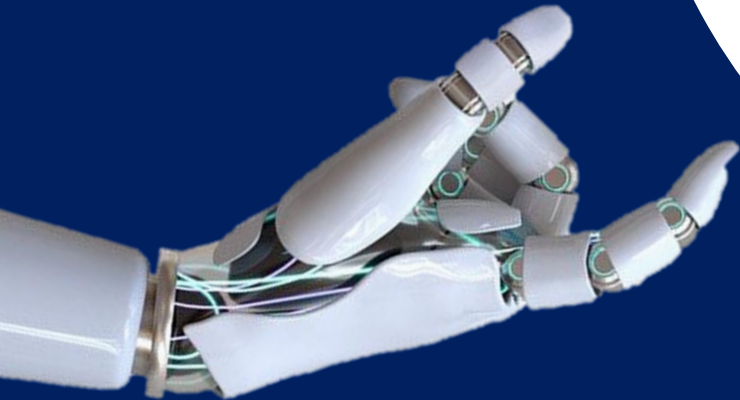
TubeMate AI

Aryam Alanazi



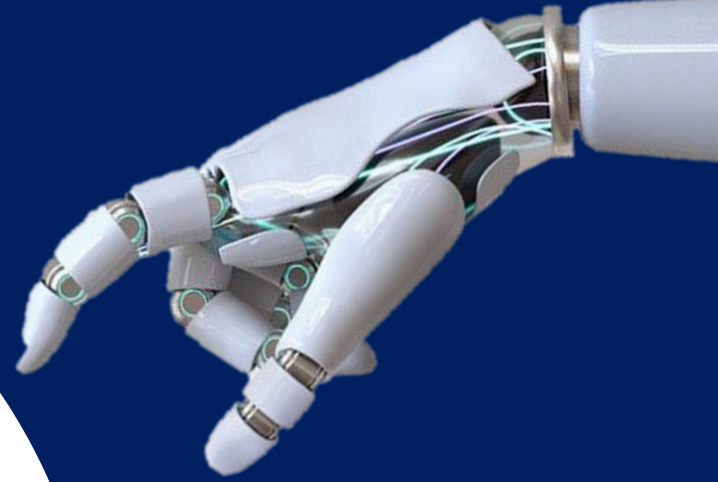
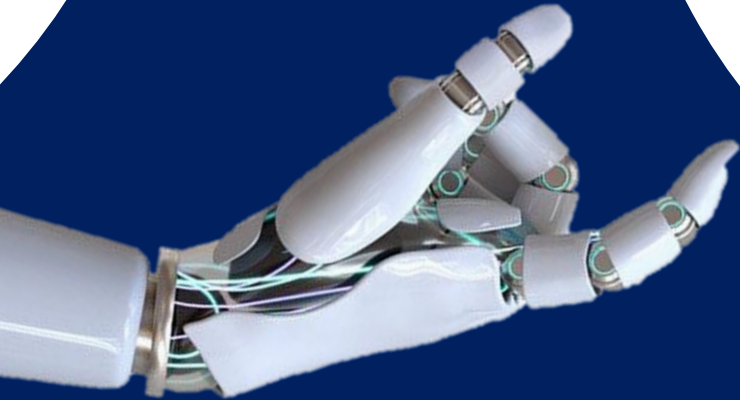
Introduction

YouTube has a huge amount of video content, and it's hard for users to keep up, understand long videos, or find what they need, specifically if the video is in a different language. This project creates a smart AI tool that can analyze videos, summarize them, translate them, and enables smart interaction with video content.



Problem Statement

- 1- YouTube's video overload makes long videos hard to follow.
- 2- Finding specific info in videos is time-consuming.
- 3- Language barriers limit access for non-native speakers.



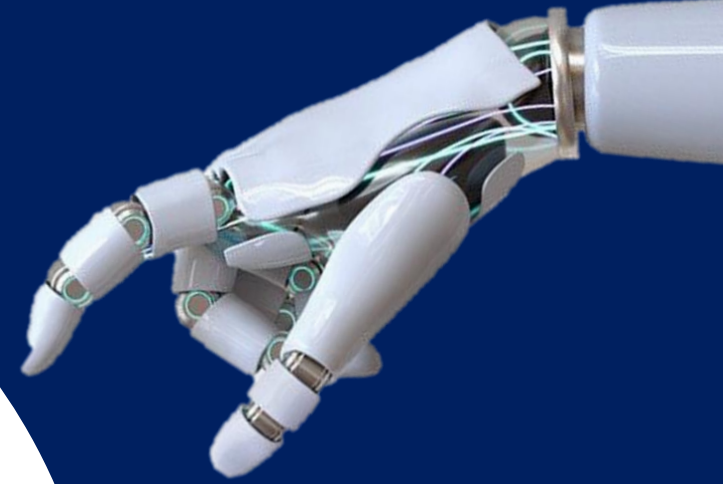
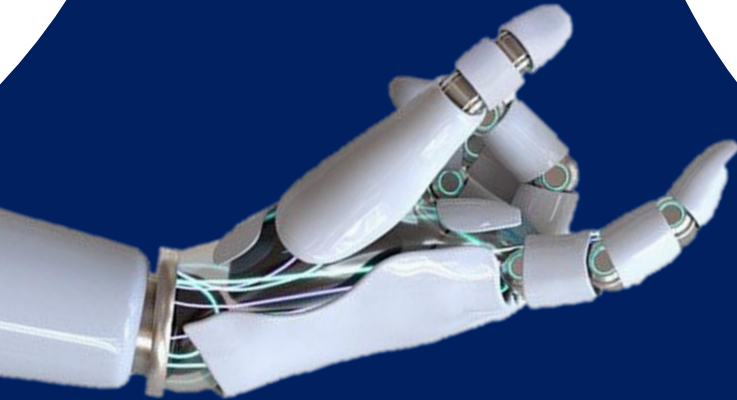
Project Objectives

1- AI-Powered Video Analysis

2- Arabic Translation Support

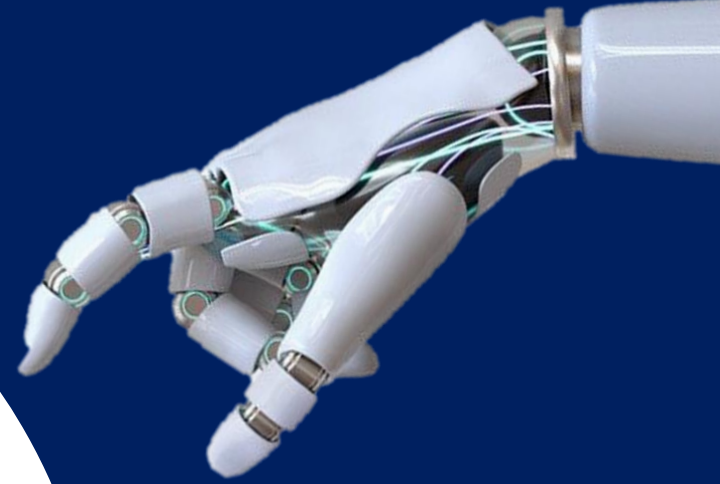
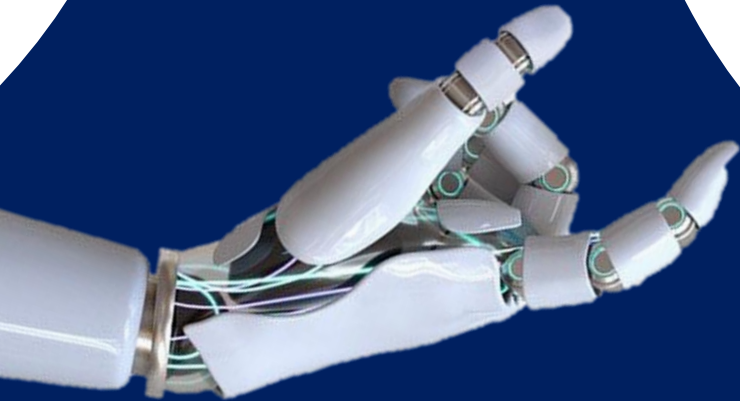
3- Interactive Chatbot
-text and voice-

4- Enhanced Accessibility



Proposed Solution

An AI-powered system that analyzes YouTube videos, translates them, summarizes their content, and enables text or voice interaction with a smart chatbot.



Project Workflow

Enters the
YouTube URL

Transcript
using Whisper

Summary
using GPT-4

ChatBot

Project Workflow

Enters the
YouTube URL

Transcript
using
Whisper

Summary
using GPT-4

ChatBot

Project Workflow

Enters the
YouTube URL

Transcript
using Whisper

Summary
using GPT-
4

ChatBot

Project Workflow

Enters the
YouTube URL

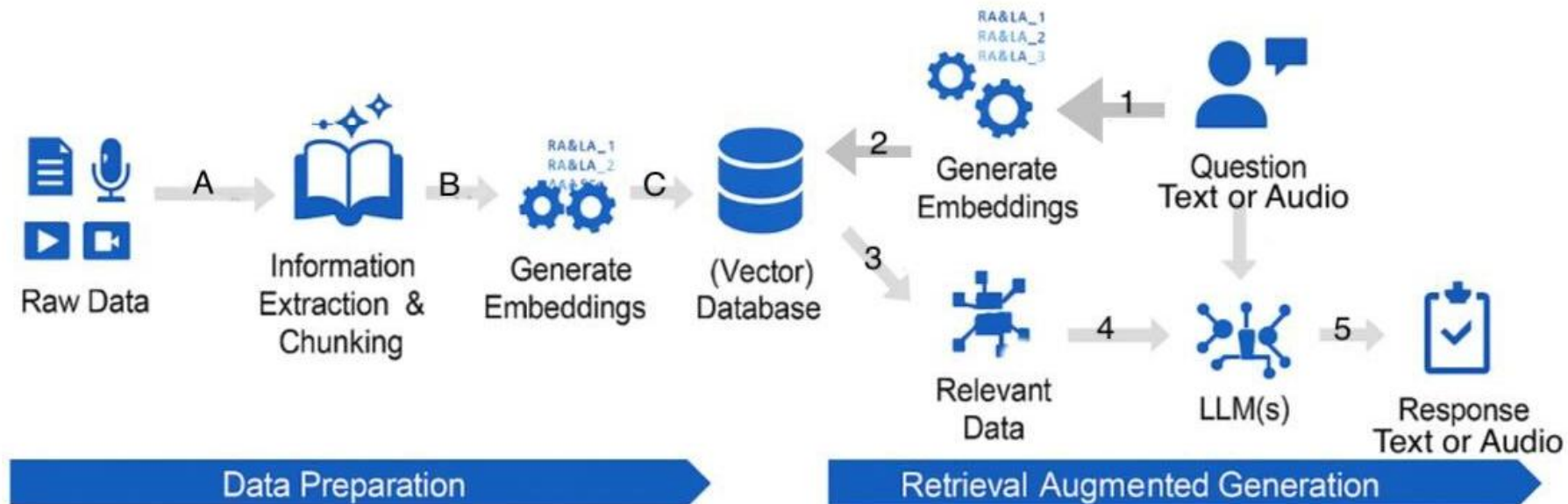
Transcript
using Whisper

Summary
using GPT-4

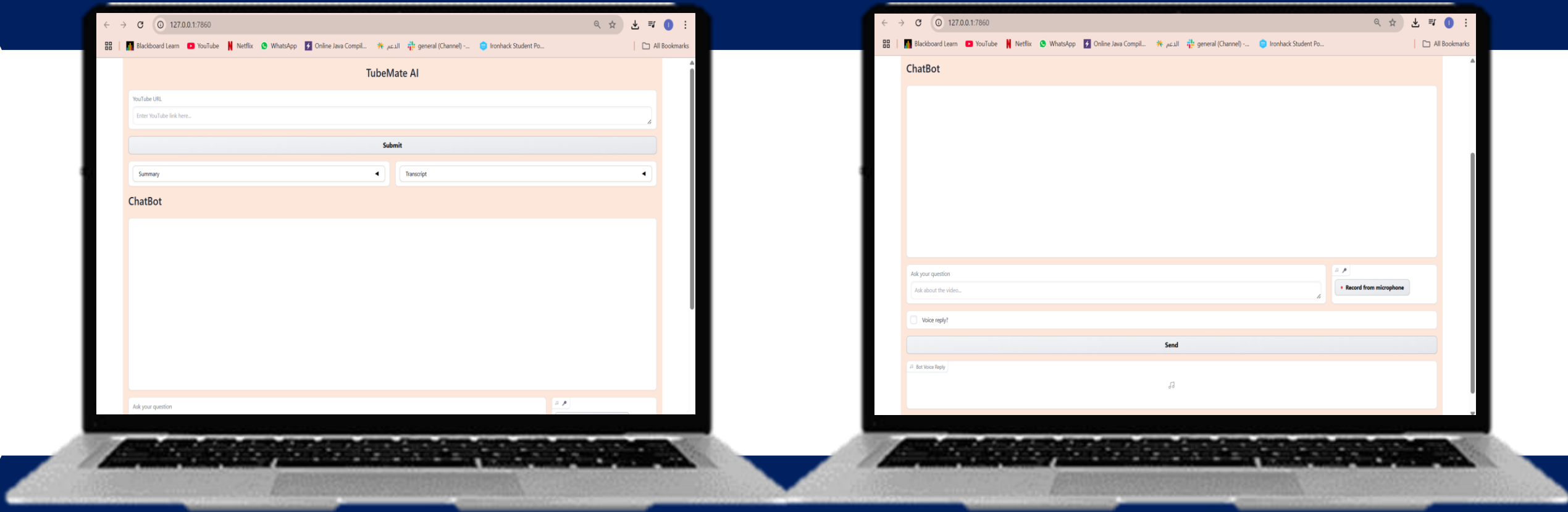
ChatBot

Project Workflow

ChatBot



Deployment



Evaluation

LangSmith – All Runs Overview

Usage Metric → Run count

Cost Evaluation → Total Tokens

Efficiency Metric → Median Tokens

Reliability Evaluation → Error Rate

Response Method Metric → Streaming

Performance Evaluation → Latency

Stats

Last 7 days

RUN COUNT

441

TOTAL TOKENS

91,242 / \$3.06 ⓘ

MEDIAN TOKENS

474

ERROR RATE

0%

% STREAMING

0%

LATENCY

P50: ⌚ 3.38s

P99: ⌚ 19.20s

Thank you

any questions?