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Track: SOFTWARE DEVELOPMENT

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State: JIGAWA STATE.

Project Category: AI-POWERED PROJECT.

Project Title: AI Text Summarizer (Console-Based)

Project Description: This tool takes any long piece of text (article, blog, etc.) and summarizes it into a short version using Natural Language Processing (NLP). It demonstrates how AI can process and understand language in real-world tasks.

1. Python Code (summarizer.py)

# **summarizer.py**

from transformers import pipeline

def summarize\_text(): print("AI Text Summarizer") print("-------------------") text = input("Paste your long text below:\n\n")

# Load summarizer pipeline  
summarizer = pipeline("summarization")  
  
# Summarize text  
print("\nSummarizing...\n")  
summary = summarizer(text, max\_length=130, min\_length=30, do\_sample=False)  
  
print("Summary:\n")  
print(summary[0]['summary\_text'])

if *name* == "*main*": summarize\_text()

1. Requirements File (requirements.txt)

transformers torch

1. README.md

# **AI Text Summarizer (Console-Based)**

This is a simple console-based AI Text Summarizer using the HuggingFace transformers library. It allows users to input a long piece of text and returns a concise summary using a pre-trained NLP model.

## **Features**

* Uses transformers library
* Summarizes long text in seconds
* Simple to run in terminal

## **Installation**

1. Clone the repository:

git clone [https://github.com/codehassan929/ai-text-summarizer.git](https://github.com/your-username/ai-text-summarizer.git)cd ai-text-summarizer

1. Install dependencies:

pip install -r requirements.txt

Usage

python summarizer.py

Input:

Artificial Intelligence refers to the simulation of human intelligence in machines that are programmed to think like humans and mimic their actions...

Output:

AI simulates human intelligence in machines that are programmed to think and act like humans.