

LLM-Based Joke Generation Project

1. Project Definition and Purpose

This project aims to generate and personalize jokes using large language models (LLMs). The AI model will be trained with a collection of traditional and modern joke data to provide users with dynamic, witty, and intelligent humorous content.

Main Objectives:

- To entertain users with AI-generated jokes.
- To merge traditional humor with modern technology (e.g., Nasreddin Hodja, Bektaşî, and Black Sea jokes).
- To generate jokes relevant to contemporary popular culture (internet humor, AI-related jokes, etc.).
- To create personalized jokes based on topics or keywords chosen by users.
- To test and improve AI's capabilities in humor generation.

2. What Types of Jokes Will Be Generated?

The model will be capable of generating jokes across different categories. The main categories include:

A) Traditional Jokes

- ◆ **Nasreddin Hodja Jokes** – Classic, thought-provoking humor.
- ◆ **Bektaşî Jokes** – Witty and intellectual jokes.
- ◆ **Black Sea & Temel Jokes** – Regional humor and folk tales.

📌 Why Is This Important?

- ✓ Preserving cultural heritage and passing it on to future generations.
- ✓ Analyzing how AI interprets traditional humor.

B) Everyday Life & Modern Humor

- ◆ **Office & Work Life Jokes** – Boss-employee relationships, office humor.
- ◆ **Social Media & Internet Humor** – Modern internet memes and jokes.
- ◆ **Technology & AI Jokes** – Funny takes on AI and technological advancements.

📌 Why Is This Important?

- ✓ Creating fun content relevant to everyday life.
- ✓ Providing a humorous perspective on technological developments.

C) Educational and Fun Jokes for Children

- ◆ Safe and child-friendly jokes.
- ◆ Wordplay-based educational humor.

📌 Why Is This Important?

- ✓ Offering entertaining yet educational content for children.
- ✓ Enhancing children's sense of humor and language skills.

D) Logic and Wordplay Jokes

- ◆ Logic and math jokes.
- ◆ Wordplay and puns.

📌 Why Is This Important?

- ✓ Combining entertainment with educational value.
- ✓ Providing thought-provoking humor for different age groups.

E) Personalized Jokes

Users can select a topic or keywords to generate custom jokes.

◆ **Example:** If a user enters the words "robot," "coffee," and "morning," the model will automatically generate a joke incorporating these words.

📌 Why Is This Important?

- ✓ Enhancing user engagement.
- ✓ Supporting creative freedom in joke generation.

3. Target Audience

The joke generation system is designed to appeal to various age groups and interests:

A) General Humor Enthusiasts

Anyone looking for entertaining content.

B) Children & Families

Parents seeking safe and educational humor for kids.

C) Traditional Culture Enthusiasts

Individuals interested in learning about traditional jokes from a modern perspective.

D) Office Workers

Employees sharing daily jokes for workplace fun.

E) Content Creators & Comedy Writers

Comedians, social media content creators, and scriptwriters.

4. Use Cases

1. Entertainment & Social Media:

- Users can share AI-generated jokes on social media.

2. Educational Use:

- Schools can use the system to teach students about humor and language skills.

3. AI-Assisted Creative Content Generation:

- Content creators can use the AI model for inspiration in joke writing.

4. Corporate & Workplace Use:

- Companies can provide employees with fun and motivational content.

5. Technical Requirements & Model Training

A) Data Collection & Categorization

- A large dataset of jokes needs to be collected.
- AI will learn to classify and understand different joke types.

B) Model Training

- Open-source LLM models like GPT, Llama 2, or Mistral can be used.
- A dedicated training process will be required to teach AI about Turkish humor.

C) User Interface & API Integration

- A web and mobile application will be developed.
- An AI-powered chatbot will be added to allow users to generate jokes interactively.

6. AI Integration

- ✓ **AI-Powered Categorization:** The AI will classify jokes based on their type.
- ✓ **Personalized Joke Generation:** AI will create new jokes using user-selected keywords.
- ✓ **Chatbot Integration:** Users will interact with the AI to generate dynamic jokes.

7. Project Advantages

- ✓ Fully automated joke generation.
- ✓ Personalized and dynamic content.
- ✓ AI-driven humor tailored to Turkish culture.
- ✓ A broad humor appeal that reaches diverse audiences.

Conclusion: Importance and Future of the Project

- This project will explore how humor can be generated using AI.
- It will test AI's ability to understand and create Turkish jokes.
- In the future, it can expand into interactive comedy writing and script generation.