



**STUDENT NAME: AJITHA K**

**REGISTER NUMBER: 962821104006**

**DEPARTMENT :COMPUTER SCIENCE AND  
ENGINEERING**

# PROJECT TITLE

**TextGen: AI-Powered Text Generation System**

# AGENDA

- Introduction
- Problem Statement
- Project Overview
- Solution and Value Proposition
- The Wow in Our Solution
- Modelling
- Results

# PROBLEM STATEMENT:

- Text generation tasks, such as creating short stories, poems, or news articles, often require substantial time and creativity.
- Human-generated content can be subjective, and it may not always meet the desired quality standards.
- There is a need for an automated text generation system that can produce realistic and high-quality content across various genres.

# PROJECT OVERVIEW:

- Our project aims to develop an AI-powered text generation system capable of creating realistic text, including short stories, poems, and news articles.
- Leveraging state-of-the-art machine learning techniques, our system will analyze and learn from a diverse dataset of text to generate coherent and contextually appropriate content.
- Users will be able to specify the genre, style, and length of the text they want to generate, and the system will produce tailored content accordingly.

# WHO ARE THE END USERS?

- Writers, journalists, and content creators seeking inspiration or assistance in generating text for their projects.
- Educators and students looking for tools to aid in creative writing exercises or language learning activities.
- Businesses in need of automated content generation for marketing campaigns, chatbots, or customer engagement.

# SOLUTION AND ITS VALUE PROPOSITION

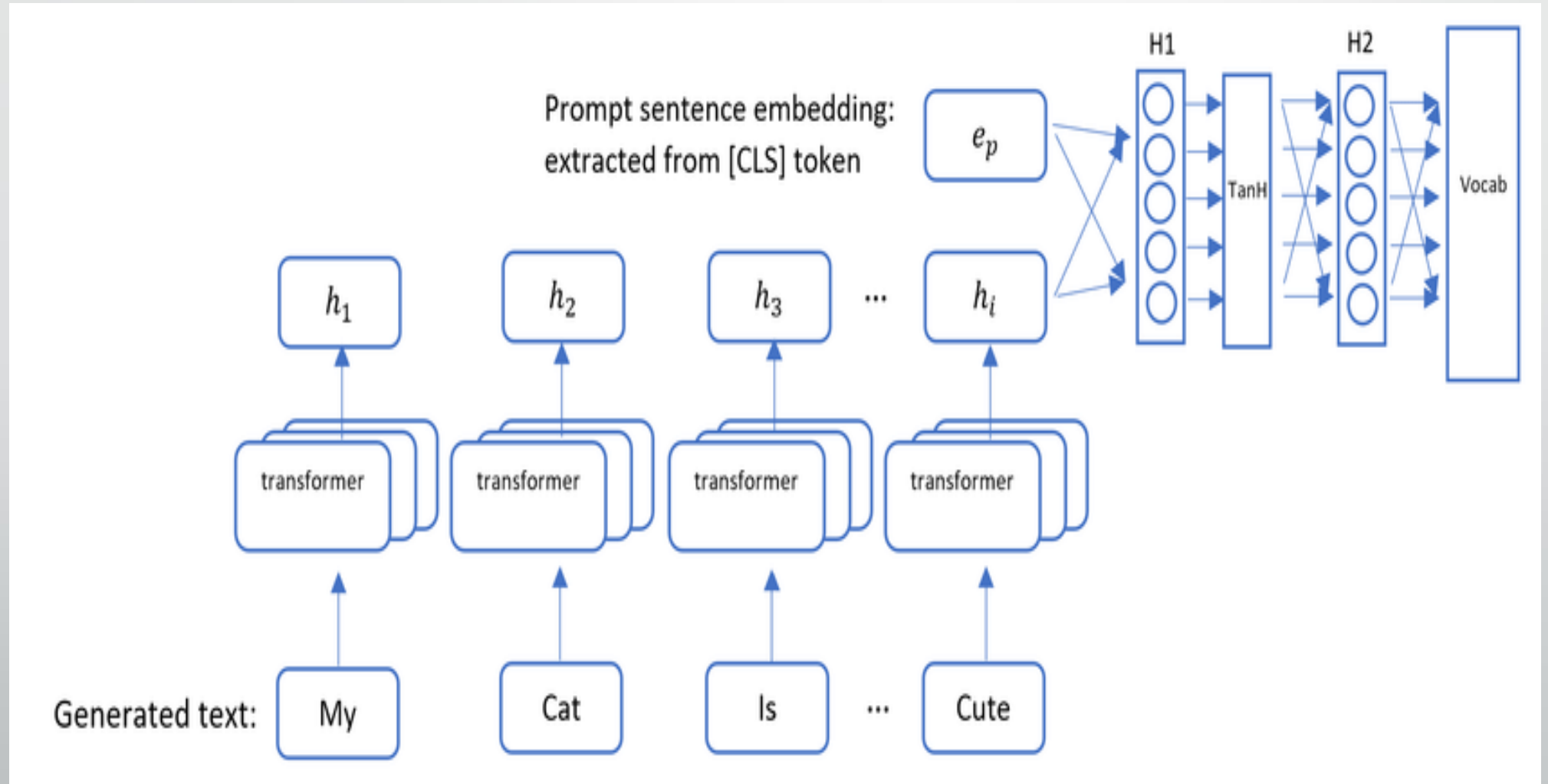
- Our solution, TextGen, offers a user-friendly interface where users can easily input their preferences and receive generated text tailored to their needs.
- By harnessing the power of AI and machine learning, TextGen accelerates the content creation process, saving time and effort for users.
- The system ensures high-quality output by learning from a diverse range of texts and continuously improving its generation capabilities over time.
- TextGen empowers users to explore new creative avenues, overcome writer's block, and produce engaging content across various domains.

# The Wow in Your Solution:

- TextGen employs cutting-edge natural language processing (NLP) techniques to generate text that closely resembles human-authored content.
- The system can adapt to different writing styles, tones, and genres, providing users with versatile and customizable text generation capabilities.
- With its seamless integration into existing workflows and intuitive interface, TextGen revolutionizes the way content is created and consumed.



# MODELLING



# RESULTS:

- TextGen achieves impressive results in generating realistic text across various genres, as demonstrated by qualitative evaluation and user feedback.
- Users report high satisfaction with the quality and relevance of the generated content, indicating the system's effectiveness in meeting their needs.
- Quantitative metrics, such as perplexity scores or BLEU scores, can also be used to assess the performance of the model and compare it with baseline approaches.