

GhostWriter AI

Project Report

Author: Samarth Keshari

Domain: AI & NLP

Date: January 2026

Abstract

GhostWriter AI is an intelligent writing assistant designed to generate context-aware, human-like text while preserving originality, tone control, and factual grounding.

Problem Statement

Existing AI writing tools often produce generic or robotic content with limited tone control and contextual depth.

Objectives

Generate human-like text, provide tone control, reduce hallucinations, and support professional and academic writing.

System Architecture

Modular pipeline consisting of input processing, prompt structuring, language model inference, and post-processing.

Technologies Used

Python, Transformer-based LLMs, FastAPI, VS Code.

Results

Improved coherence, tone alignment, and structure across multiple writing tasks.

Future Enhancements

RAG-based memory, domain fine-tuning, UI development.

Conclusion

GhostWriter AI demonstrates how structured prompting can significantly improve AI-generated writing quality.