



# WriteCoach: AI-Powered Writing Assistant



## Writer Challenges

- Grammar mistakes
- Inconsistent tone
- Format needs
- No progress tracking

## Our Solution

- AI-powered writing analysis
- Format-specific suggestions
- Progress tracking dashboard

# Email Improvement - Before

The screenshot shows the WriteCoach application interface. On the left, there's a sidebar with the title "WriteCoach" and a subtitle "Your personal writing assistant". It contains fields for "User ID" (set to "guest") and "Text Format" (set to "Email"). Below these are navigation links: "Analyze Text" (selected), "Progress Dashboard", and "About". The main content area is titled "Text Analysis" with a yellow notepad icon. It has a text input field containing the message: "hey boss i cant come to work today im sick and feeling terrible. will try to come tomorrow maybe". At the bottom of the main area is a large blue button labeled "Analyze Text". At the very bottom of the page, there's a footer note: "WriteCoach v1.0 | Made with ❤️ for better writing".

# Email Improvement - After

Readability Score ?  
69.8/100

Format Compliance ?  
72%

Issues Found  
0

[Analysis](#) [Suggestions](#) [Progress](#) [Full Report](#)

## Text Analysis

### Basic Statistics

	sentence_count	word_count	avg_words_per_sentence	char_count
	0	2	20	10

WriteCoach v1.0 | Made with ❤️ for better writing

## Before

Informal, vague message causing confusion.

## After

It *understands the context and gives a bunch of relevant suggestions, grammar fixes and improvements*

You can also view your progress and download the entire report

[Analysis](#) [Suggestions](#) [Progress](#) [Full Report](#)

## Improvement Suggestions

### Overall Feedback

The email is too informal and lacks crucial information. While the message is understandable, it needs to be more professional and provide necessary details for your boss.

### Specific Improvements

- clarity**  
Specify the nature of your illness (if comfortable doing so). For example, 'I'm experiencing a bad cold' or 'I have a severe headache'.
- clarity**  
State your expected return to work. Instead of 'maybe tomorrow', give a more concrete estimate or contact your boss later in the day with an update.
- clarity**  
Mention if you have completed any urgent tasks or if there's anything your boss needs to know regarding your absence.
- structure**  
Use a more formal salutation, such as 'Subject: Absence from work' and 'Dear [Boss's name]',
- structure**  
Organize the information logically. Start with the reason for your absence, then mention your expected return.
- grammar**  
Change to: Subject: Absence from work. Dear [Boss's name]

## Another example

### Text Analysis

Enter your text here

if i would of known about the meeting i would of prepared better. their going to discuss there new strategy over they're

Analyze Text

Readability Score ②  
67.8/100

Format Compliance ②  
72%

Issues Found ②  
3

Analysis Suggestions Progress Full Report

#### Text Analysis

#### Basic Statistics

	sentence_count	word_count	avg_words_per_sentence	char_count	unique_words
0	2	24	12	121	19

### Specific Improvements

- 🟡 clarity  
Rewrite the sentence to improve flow and clarity. The original is confusing and grammatically incorrect.
- 🟡 clarity  
Avoid contractions in formal writing (e.g., 'would of' should be 'would have').
- 🟡 clarity  
Proofread carefully before sending to ensure there are no grammatical or spelling errors.
- 🟡 structure  
While the structure is simple, the poor grammar obscures the intended meaning. Consider rephrasing to make the message clearer and more concise.
- 🟡 structure  
Start with a clear statement of regret or explanation for lack of preparation.
- 🔴 grammar  
Change to: If I had known
- 🔴 grammar  
Change to: they're going
- 🔴 grammar  
Change to: their new strategy
- 🔴 grammar

You can set it to auto detect/report/email/creative/general

# WriteCoach Progress Dashboard

## Readability Scores

Track writing clarity over time.

### Progress Dashboard

Total Submissions

8

Days Active

1

Readability Change

-2.0

Consistency Score

100%

### Achievements

Getting Started: Completed 5 writing submissions

# API Endpoints

The screenshot shows the API documentation for the WriteCoach API, version 1.0.0, using OAS 3.1. The URL is `writecoach-api-zmur.onrender.com/docs`. The page title is "WriteCoach API". Below the title, there is a link to `/openapi.json` and a brief description: "AI-powered writing analysis and improvement service".

The main content area is titled "default". It lists several API endpoints:

- GET / Root**
- GET /health** Health Check
- POST /analyze** Analyze Text
- GET /progress/{user\_id}** Get Progress
- POST /validate** Validate Input
- POST /services/analyze** Analyze Service
- POST /services/classify** Classify Service
- POST /services/suggest** Suggest Service

Each endpoint entry has a blue "▼" icon on the right side.

# Technology Stack Overview

- Python ecosystem
- FastAPI & Streamlit
- Google Gemini AI
- NLTK for text analysis
- Docker containerization
- Render cloud deployment

