



Use of AI-Chatbots



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Our Timeline



A brief history of AI

Where does it come from?



Educational use cases

Applications of AI for
educational purposes



Overview

Overview of current &
emerging AI tools

A brief history of AI



Father of Robotics

Ismail Al Jazari

- What is Robot/bot?
 - Functionality
 - User interface
- The First Humanoid Interface: Al-Jazari's Mechanical Servant (1206)



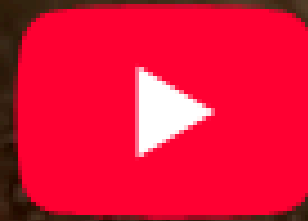
Ismail Al Jazari || The Father of Robotics and Ingenious Mechanical Devices ||

Discover Genius

إسحاق الجزار

Al-Jazari

FATHER OF ROBOTICS

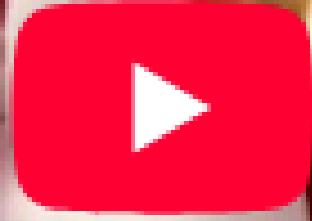


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Cezeri'nin Çocuklu Çeşme Otomatı Rekonstrüksiyonu

Istanbul Cezeri Müzesi



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The basics of (Ro)bot

Ismail Al Jazari

- Feedback loops:
 - Process triggers other actions
- User interactions
- Simulated intelligence
- Task automation
- Human interface



Father of Computer

Alan Mathison Turing

- WW2 Champion
- Automatic Computing Engine (ACE)
- Mathematically proof of “computer”
- Turing test

CAN A
COMPUTER
TALK LIKE A
HUMAN?



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Machine Learning

- Based on statistically methods
- Evaluated on algorithms
- Different approaches
 - Supervised learning
 - Unsupervised learning
 - Reinforcement learning
- Different modelings
 - Artificial Neural Network

Chatbots

- AlexNet
 - to classify images
 - data + computation + deep layers = better performance
- seq2seq
 - First neural chatbot
 - Full sentences with open-ended dialogues
- BERT

Chat-GPT 3

- With 175 billion parameters, GPT-3 is 100× larger than GPT-2.
- Capable of few-shot learning — performs tasks with just 1–3 examples in the prompt.
- Writes essays, poems, code, answers questions → general-purpose language model for the first time.

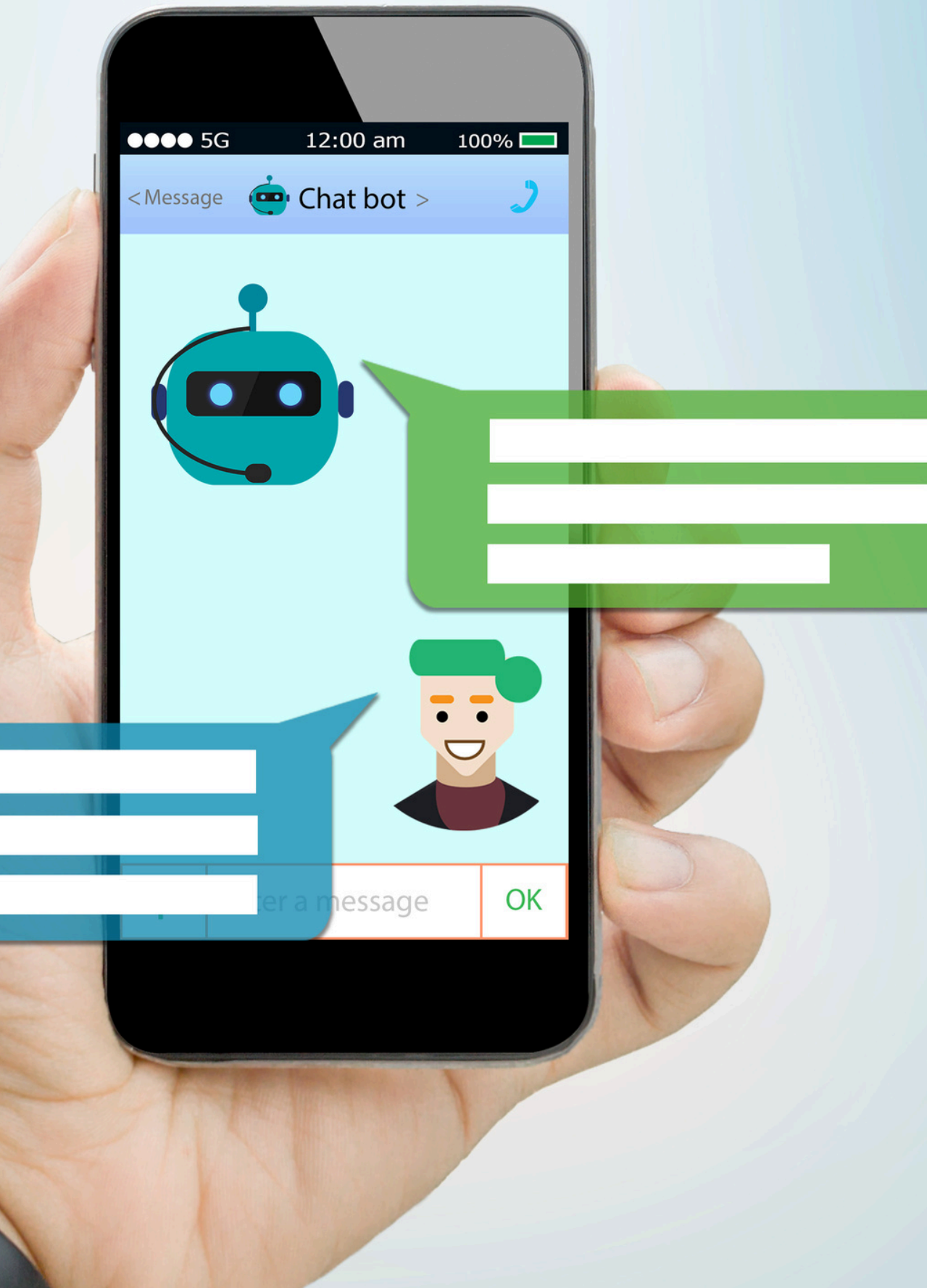
Educational Use Cases

General Rules

- Protect Personal Data
- Good prompts = good answer
 - Be precise
 - Give context
- Review before using
 - Chatbots can sound confident — but they're not always correct.
- Bias or Stereotypes
- Not an authority
- Transparency
- Teach Students How to Use AI Critically
- Use as co-creator, not replacement

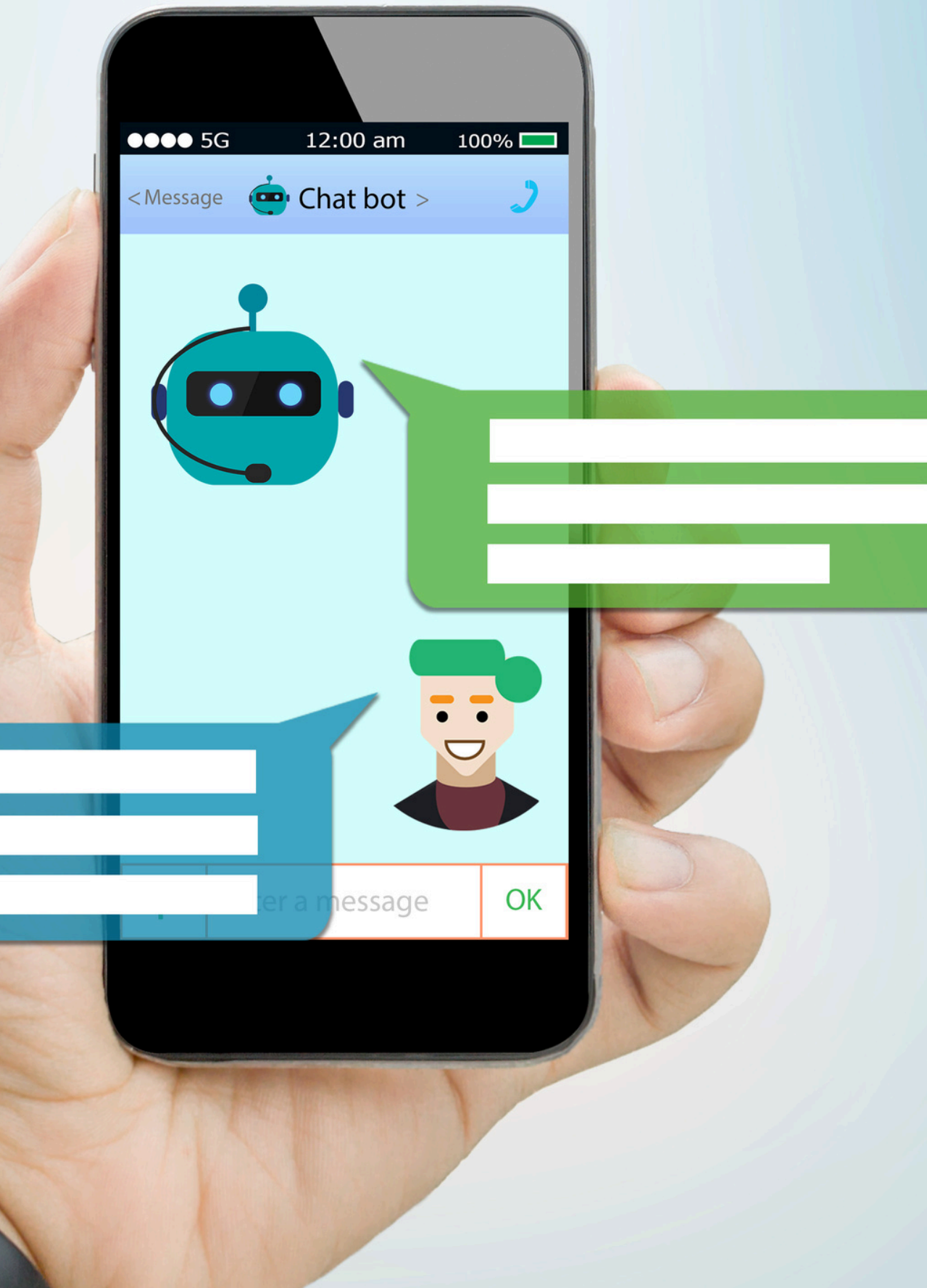
Lesson Planning Assistant

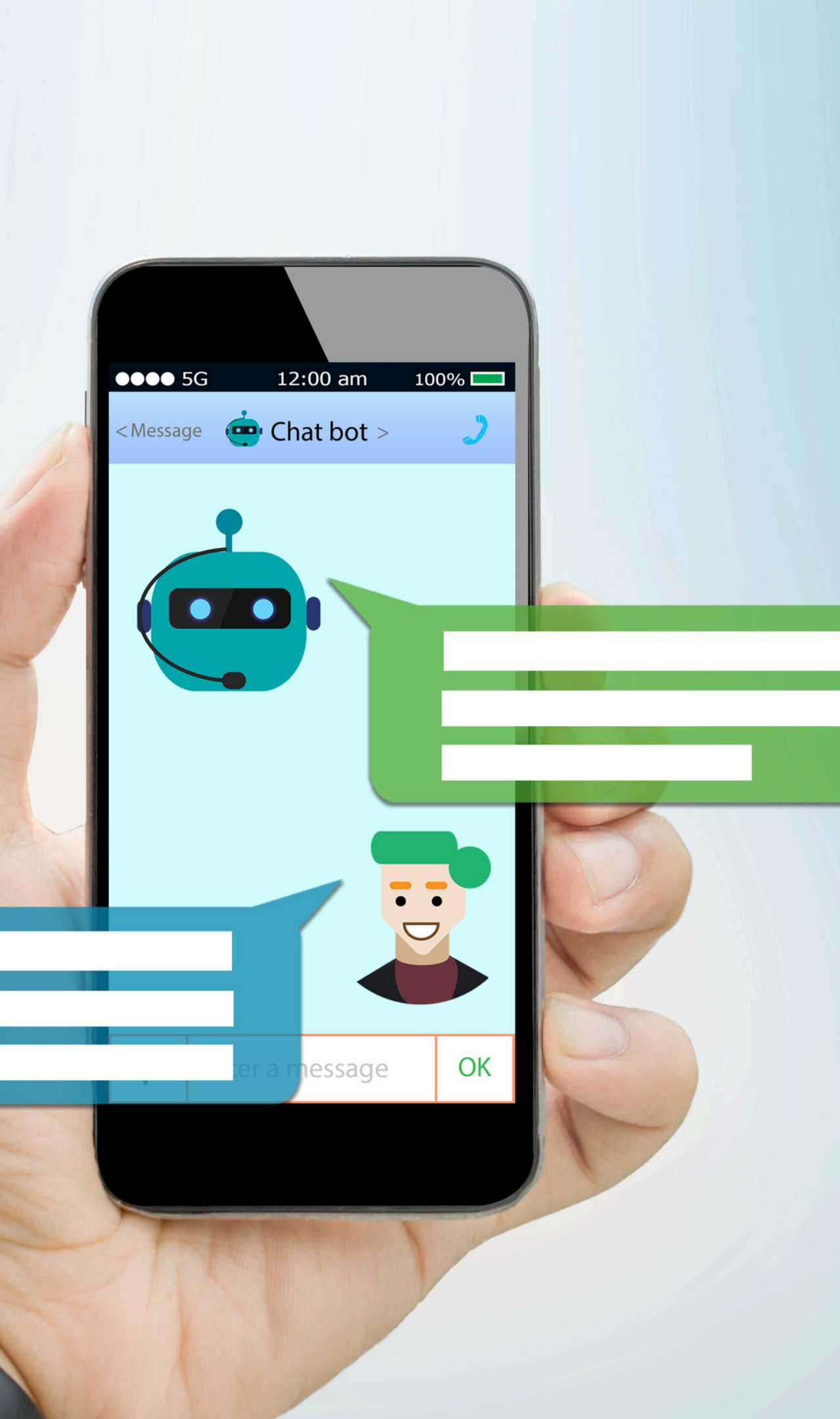
- Goal:
 - Save time creating lesson plans
- How:
 - Prompt ChatGPT:
 - "Create a 60-minute lesson plan on climate change for high school students, including a storytelling element."
- StoryLab Connection: Integrates storytelling in lesson design.



Rubric Generator

- Goal:
 - Quickly create customized rubrics for assignments
- How:
 - Prompt ChatGPT:
 - "Create a rubric for assessing short story writing, including creativity, plot structure, and grammar."
- StoryLab Connection: Helps assess story-driven lessons.





Parent Communication Writer

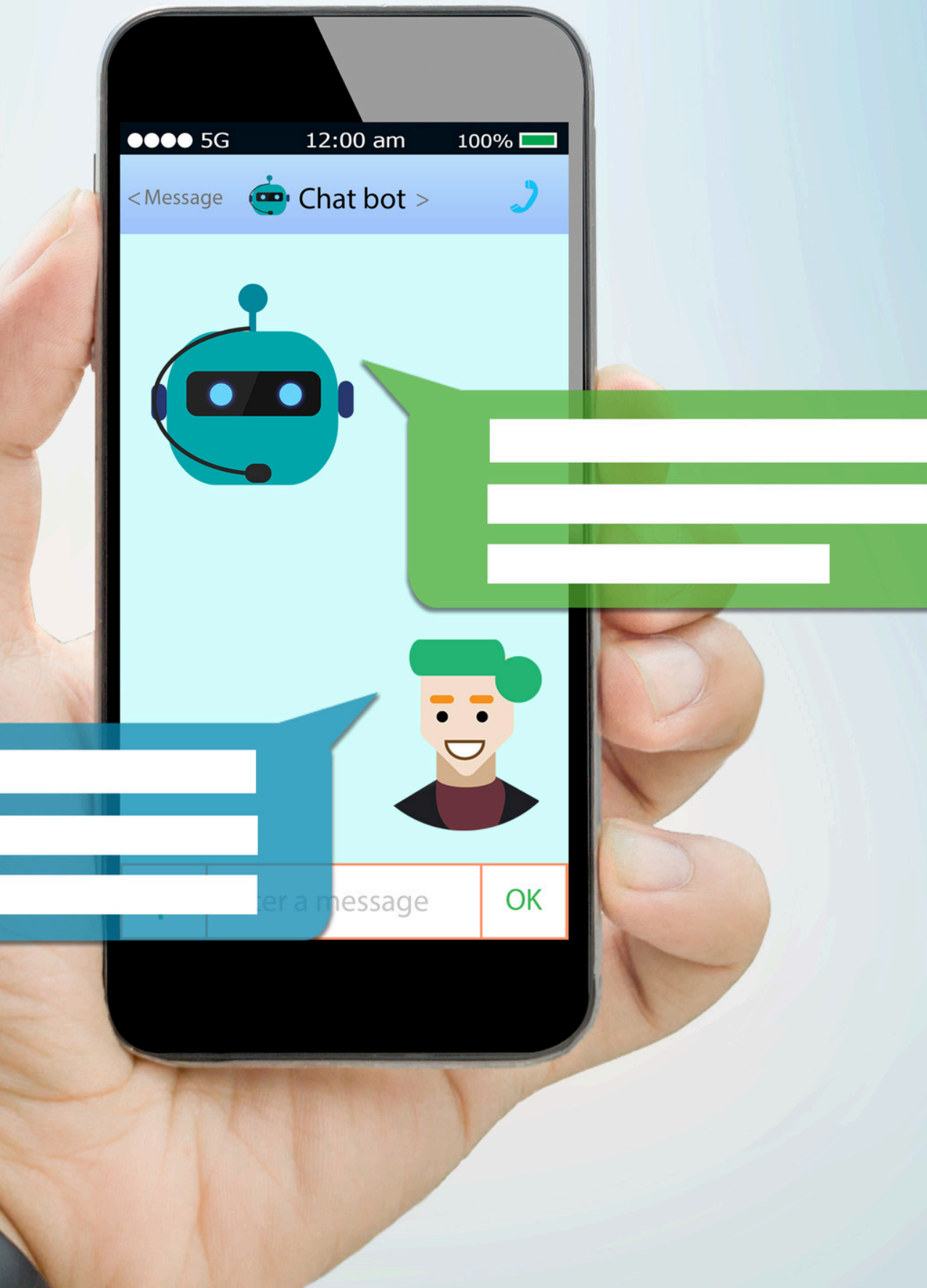
- Goal:
 - Improve efficiency in parent-teacher communication
- How:
 - Prompt ChatGPT:
 - "Write a friendly email to parents about the upcoming storytelling project and its goals."
- StoryLab Connection: Aligns with project goals and classroom communication.

Worksheet Creator

- Goal:
 - Generate worksheets for student practice
- How:
 - Prompt ChatGPT:
 - "Create a worksheet with 10 questions on the causes of World War I, using a storytelling approach."
- StoryLab Connection: Encourages students to think narratively about history.

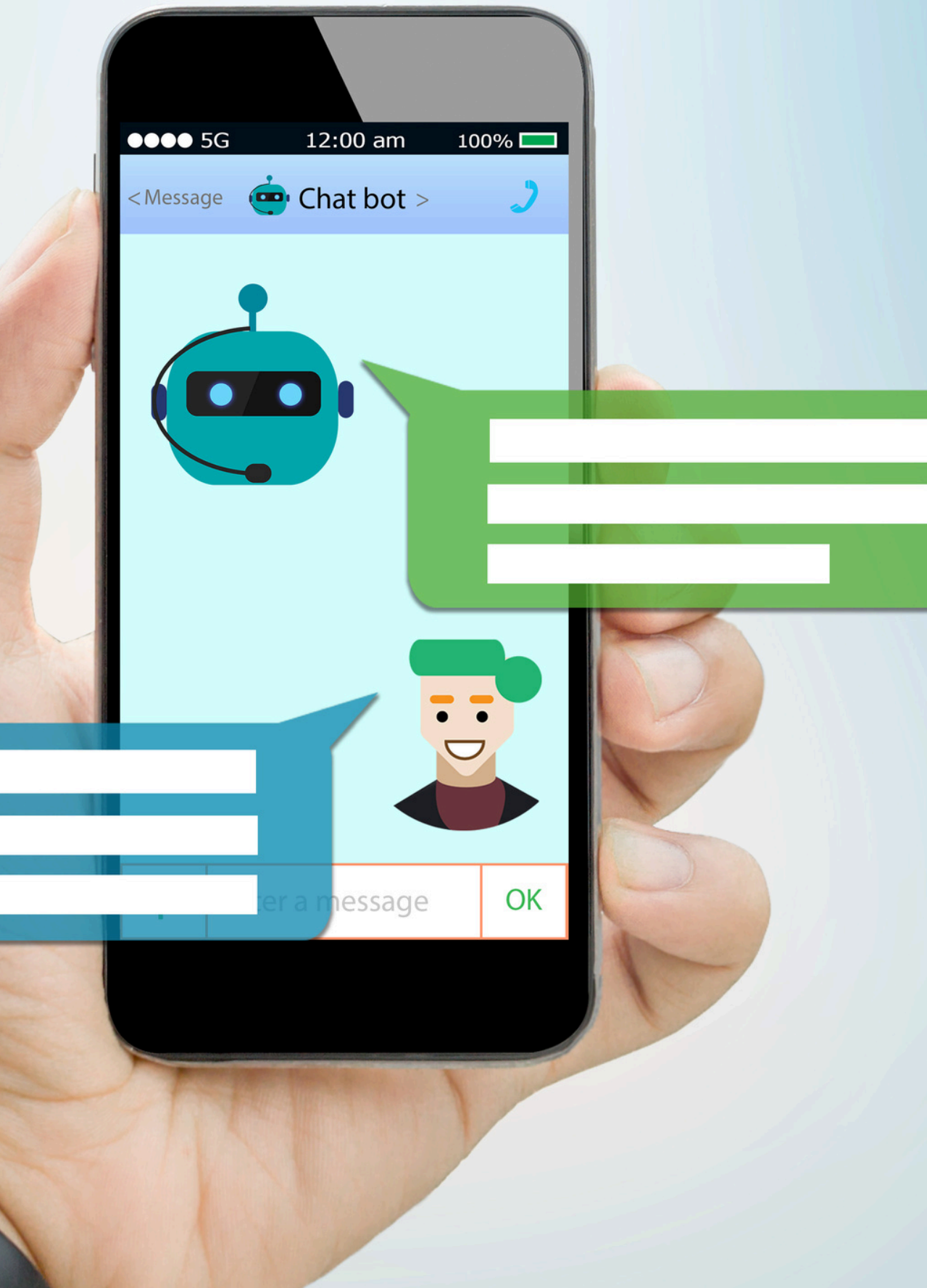
Assessment Writer

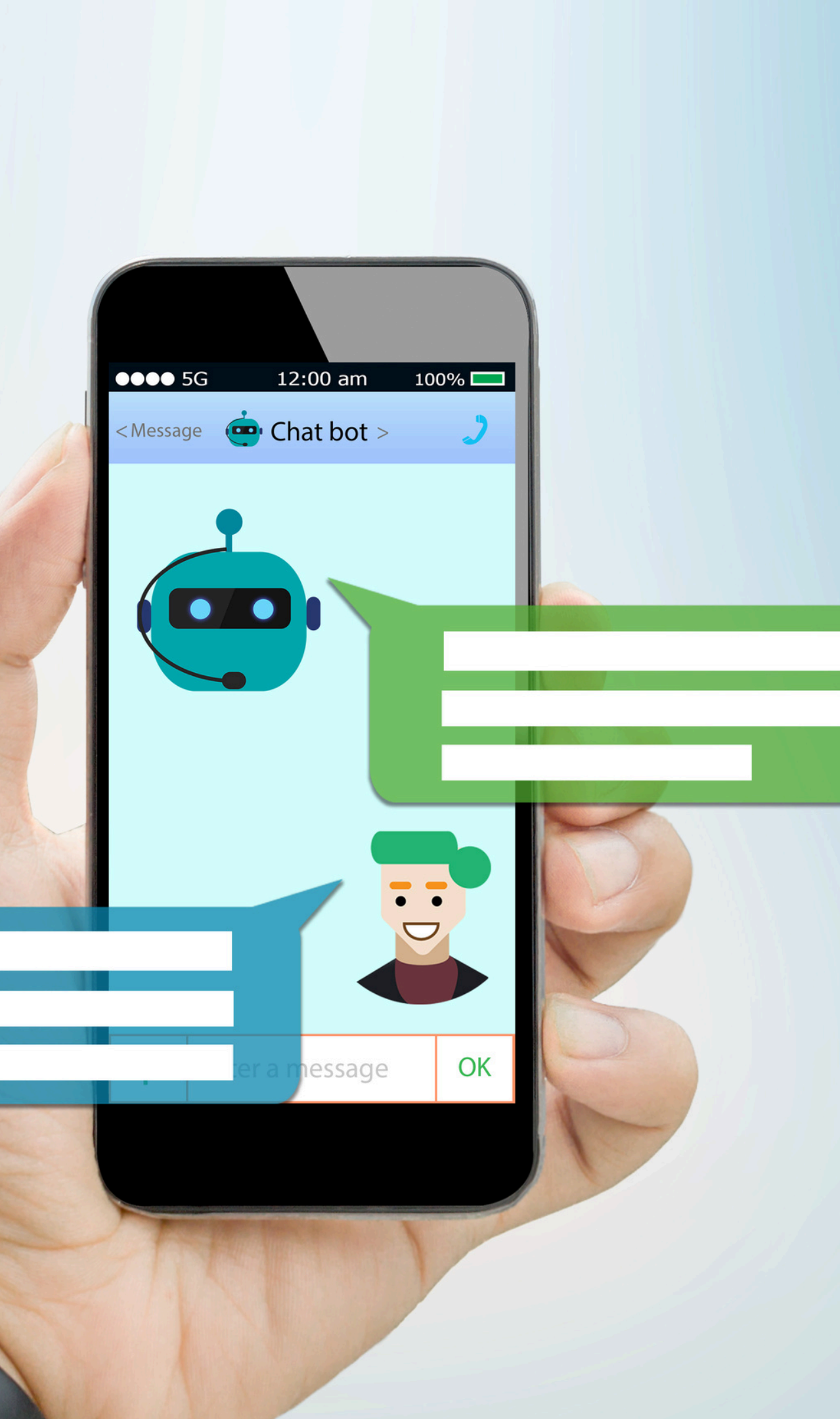
- Goal:
 - Create quizzes and formative assessments
- How:
 - Prompt ChatGPT:
 - "Generate a 5-question multiple-choice quiz on the theme of climate change in literature."



Text Differentiation

- Goal:
 - Adjust reading materials to different learning levels
- How:
 - Prompt ChatGPT:
 - "Simplify this passage on the water cycle for B1-level English students."



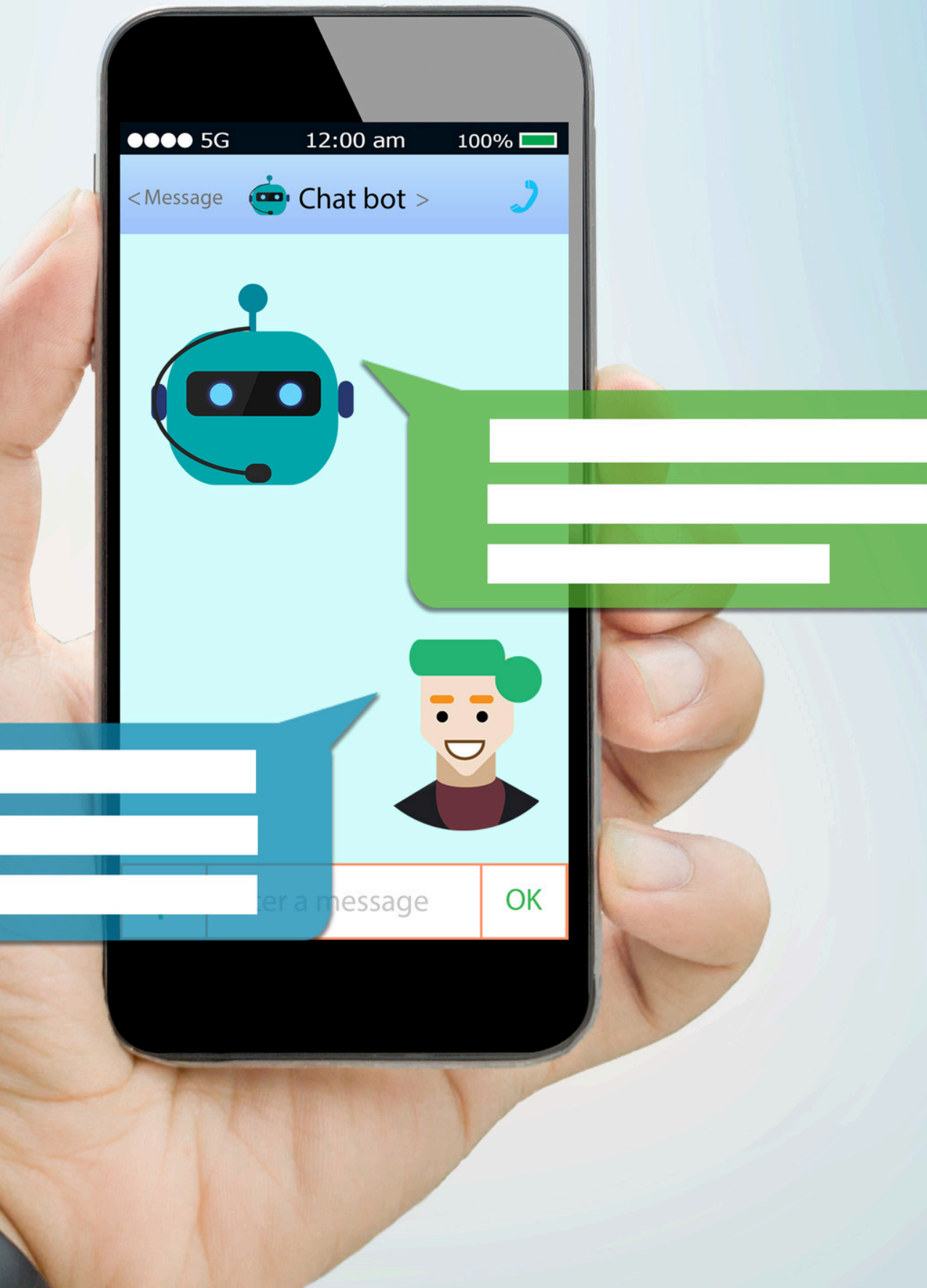


AI Tutor for Student Support

- Goal:
 - Provide on-demand tutoring for students
- How:
 - Prompt ChatGPT:
 - "Explain the Pythagorean theorem in simple terms, using an example from everyday life."
- StoryLab Connection: Supports student learning with personalized explanations.

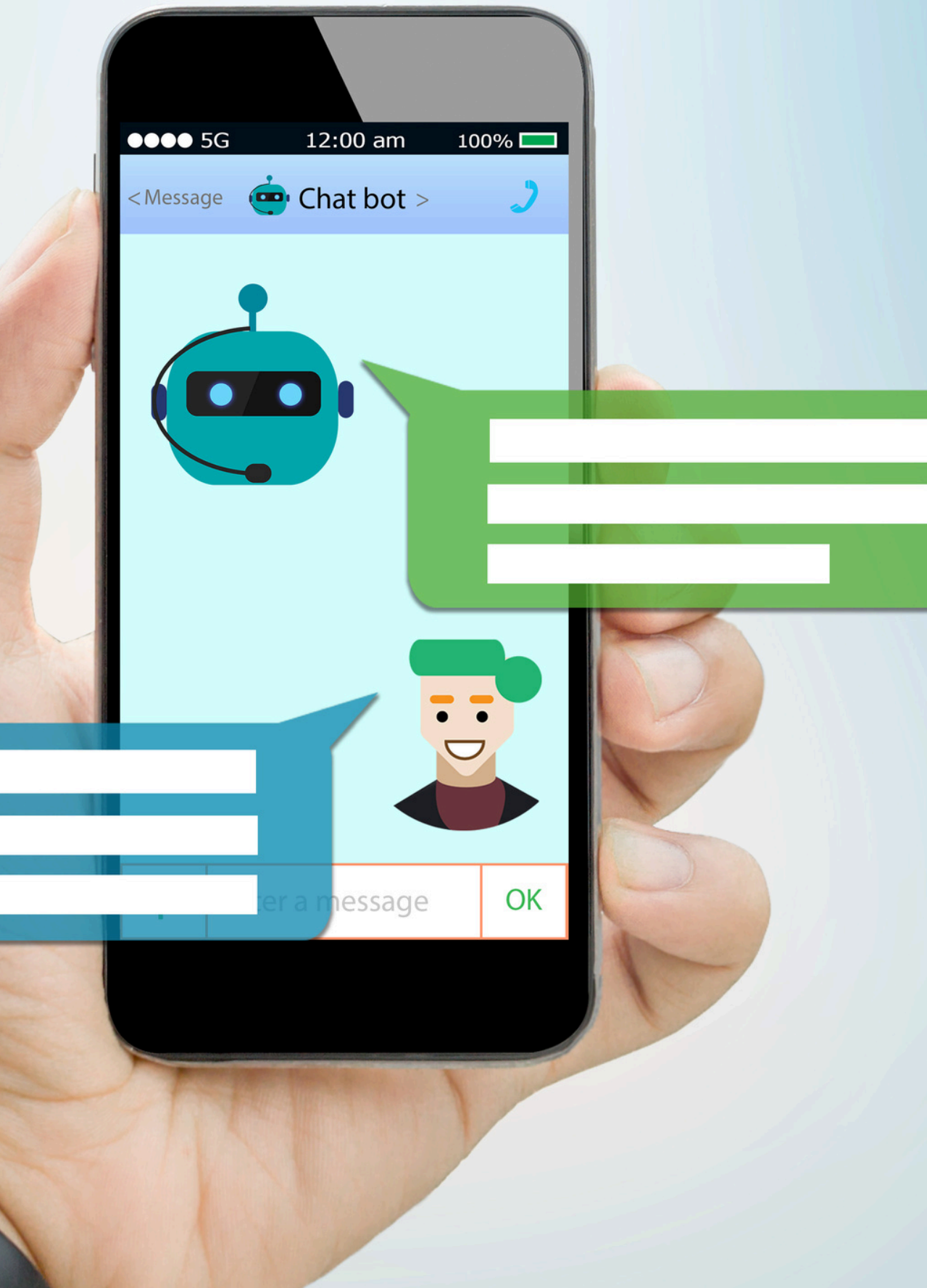
Language Practice Partner

- Goal:
 - Allow students to practice conversation in other languages
- How:
 - Prompt ChatGPT:
 - "Let's practice a conversation in French about traveling to Paris."



Reflection Coach

- Goal:
 - Help students reflect on their work and learning process
- How:
 - Prompt ChatGPT:
 - “Ask me reflection questions on today’s lesson about character development in storytelling.”



Discussions

Discussions

- How do we define “storytelling” in our subjects?
- What excites you most about using chatbots in education?
- Where should we draw the line with AI use?
- What are your concerns about using chatbots in school settings?
- Which lessons could be reimaged as a story right now?
- What support do teachers need to confidently use chatbots?
- How can we share what we’ve learned across schools?
- What is your first small step after this workshop?

Overview of AI tools



DeepSeek

STRENGTHS

Free Access
Open-Weight
Model

**NOTABLE
CHALLENGES**

Censorship
Privacy Concerns



ChatGPT

STRENGTHS

Multimodal
Broad Features

**NOTABLE
CHALLENGES**

Subscription
Model



Gemini

STRENGTHS

Workspace
Integration

**NOTABLE
CHALLENGES**

Not Open-Weight



Claude

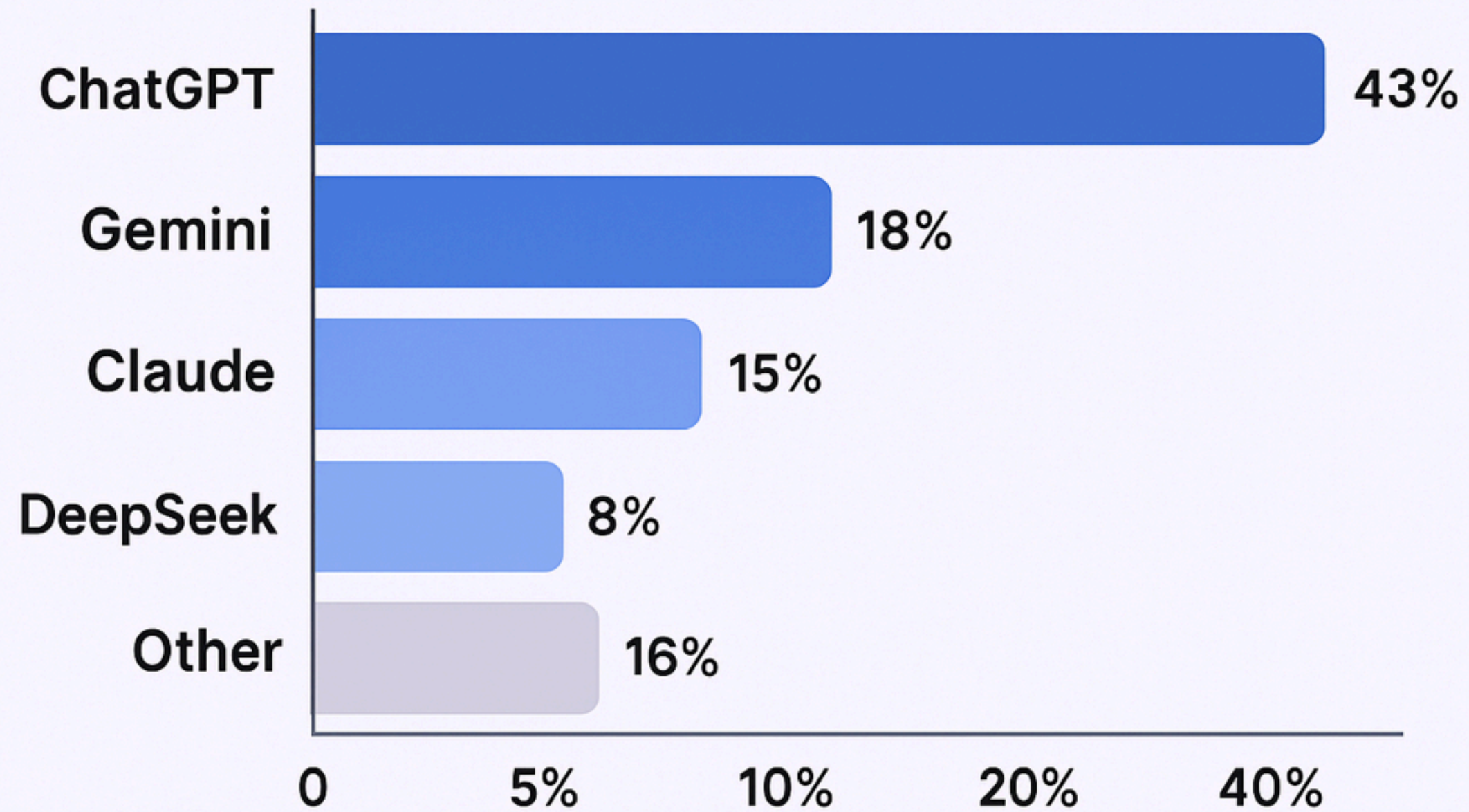
STRENGTHS

Ethical Design

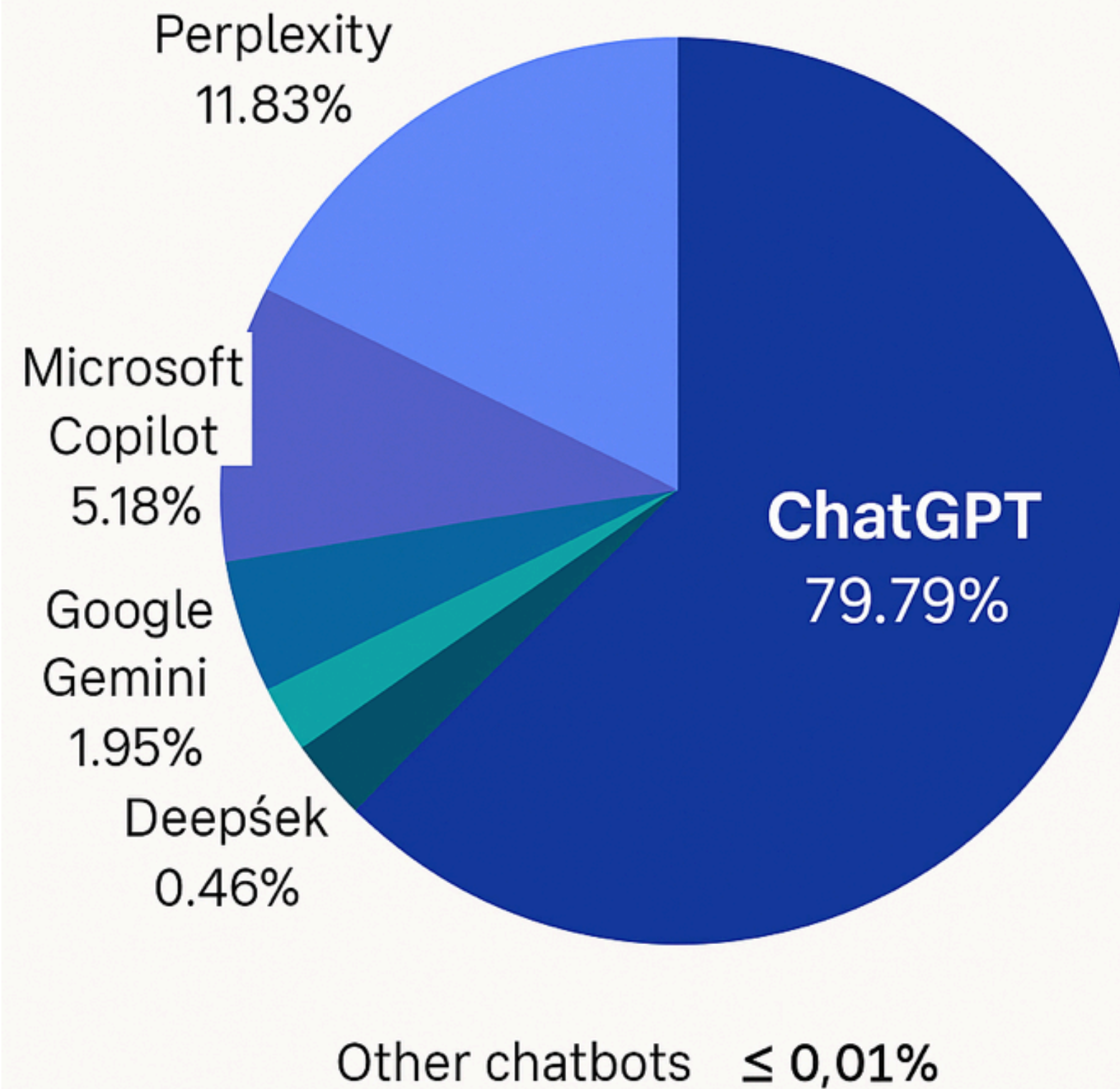
**NOTABLE
CHALLENGES**

Smaller Reach

Chatbot Market Share



Chatbot Market Share





Use of AI-Chatbots

