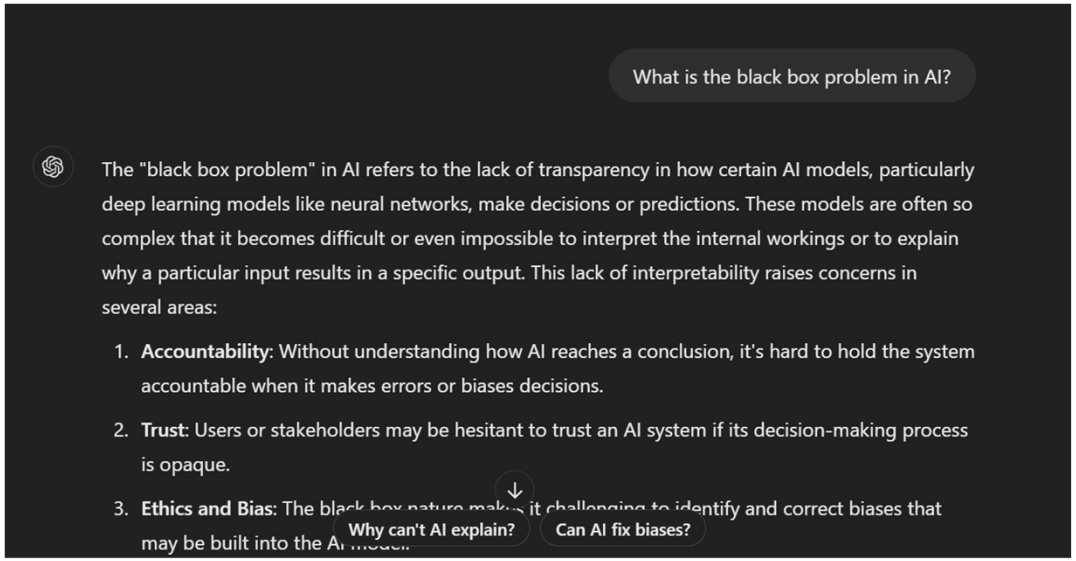
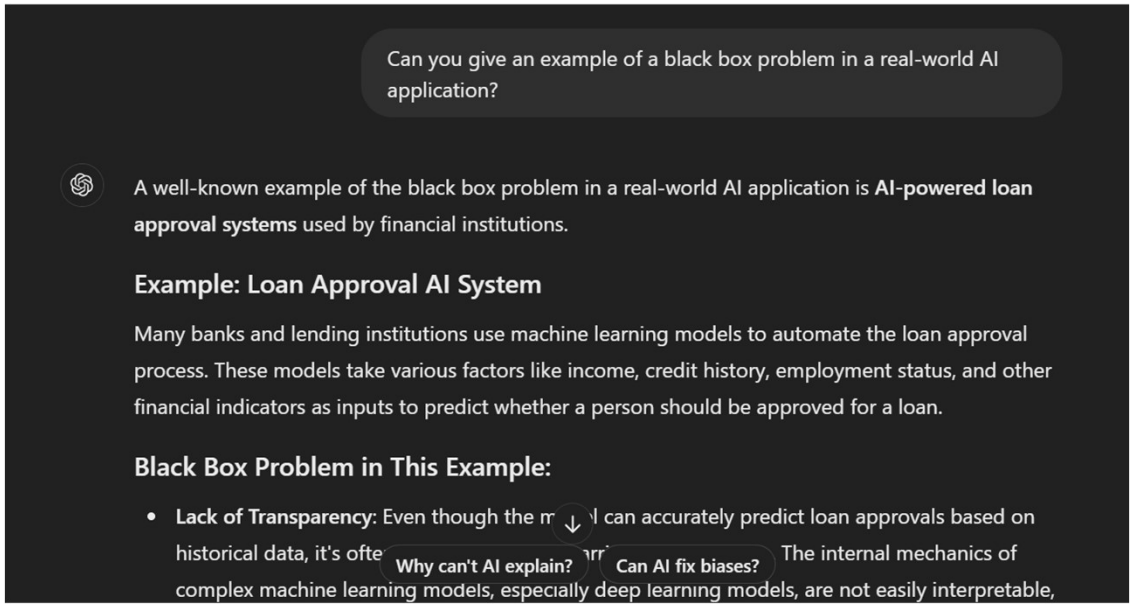
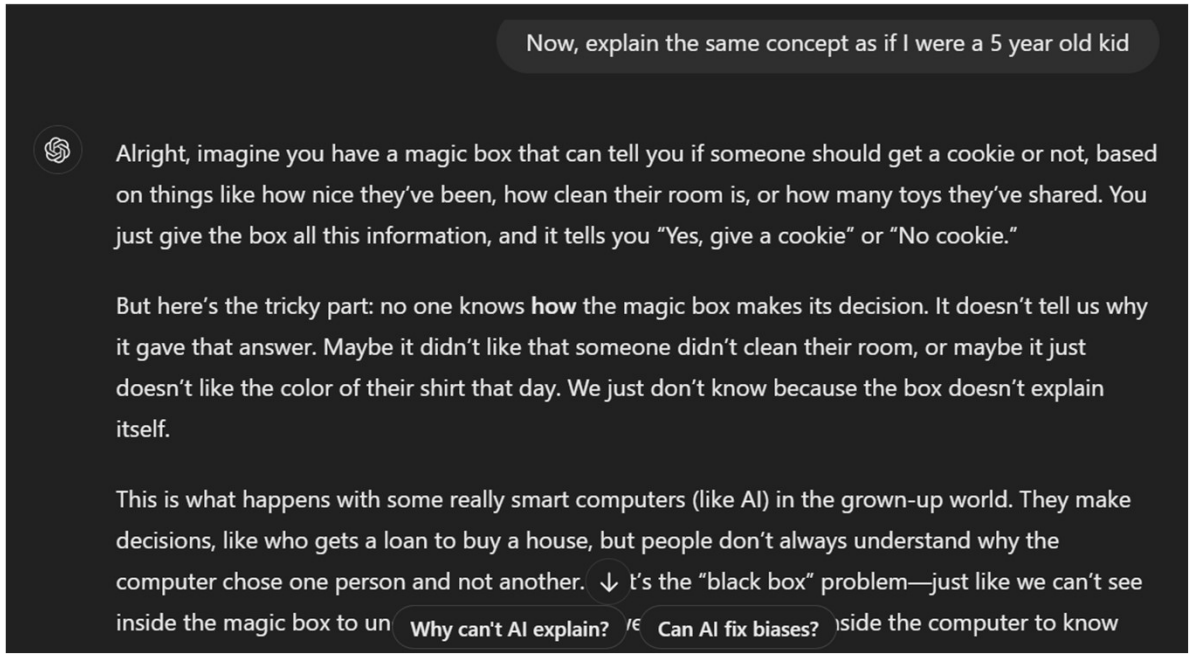
Anu



1. Zero-Shot Prompting


Can you give an example of a black box problem in a real-world AI application?
A well-known example of the black box problem in a real-world AI application is **AI-powered loan approval systems** used by financial institutions.
Example: Loan Approval AI System
Many banks and lending institutions use machine learning models to automate the loan approval process. These models take various factors like income, credit history, employment status, and other financial indicators as inputs to predict whether a person should be approved for a loan.
Black Box Problem in This Example:
Lack of Transparency: Even though the m l can accurately predict loan approvals based on historical data, it's ofte rr The internal mechanics of complex machine learning models, especially deep learning models, are not easily interpretable,
Why can't AI explain?
Can AI fix biases?

2. Chaining



3. Labeling Prompts

Reason Why I chose “Black Box in AI”

I have chosen this topic “Black Box in AI” because of how neural networks in deep learning becoming complicated day by day even humans don’t know how its working inside because of all the layers tons of data. That’s why I though this topic was very interesting especially as a someone who is studying software engineering,