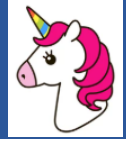


# Welcome to Unicorn chats



## Introduction of Unicorn Chat – An Agentic Chatbot

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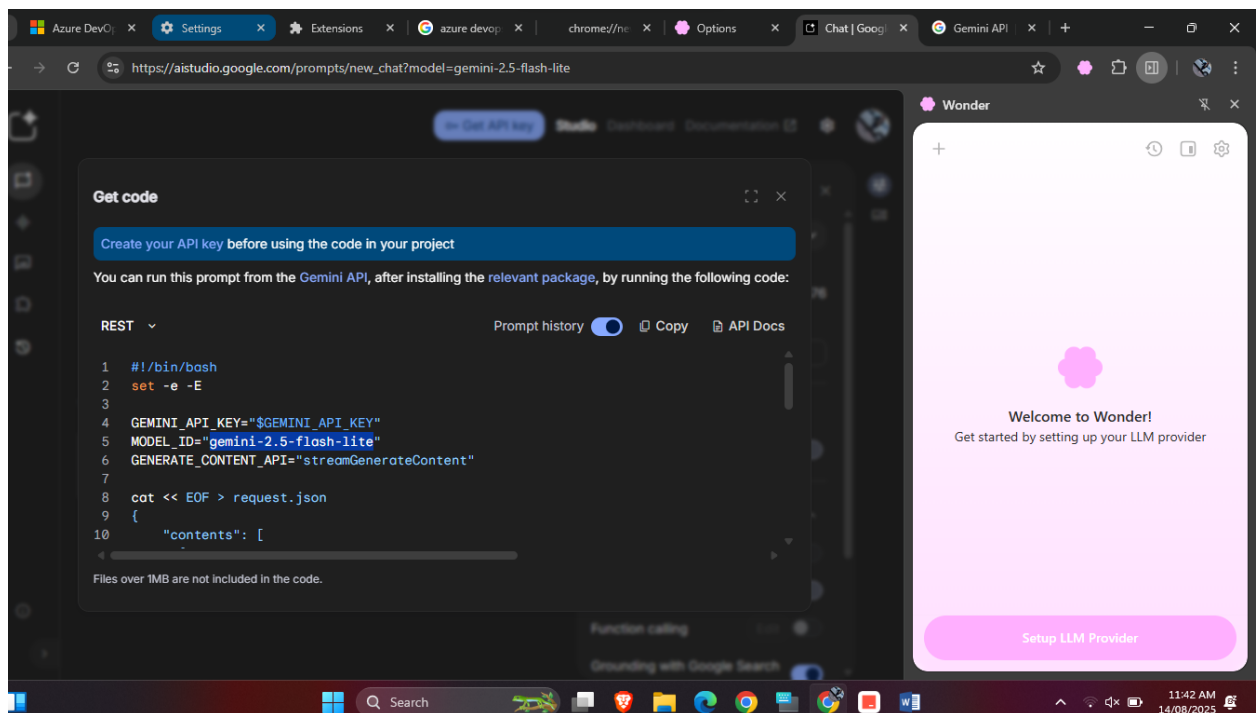
- Conversational artificial intelligence has become a central element of digital transformation in recent years. From customer service chatbots to voice-activated assistants
- like Siri, Alexa, and Google Assistant, conversational agents are now ubiquitous in both consumer and enterprise contexts. Despite their popularity, current chatbot systems remain constrained in scope.
- This proposal introduces **Unicorn Chat**, an *agentic chatbot* designed to address these limitations. Unlike conventional chatbots that are reactive and narrow in their capabilities, Unicorn Chat will integrate **task planning** to support everyday productivity.
- Through integration with a web browser, GitHub, and digital libraries, the chatbot will allow users to perform multiple daily tasks within a single interface.

# Problem Statement;

- Lack of autonomy :
  - Most bots cannot independently analyze user intent or chain together multiple steps to accomplish a task.
- Poor generalization:
  - This is the struggle with cross-domain tasks that require combining information from different sources.
  - User inefficiency ;
  - End-users are forced to switch between multiple apps [ Gmail , amazon ]

## Project Objectives

- Develop a chatbot prototype capable of executing GitHub repository management the project timeline.
- Integrate the chatbot with at least two external APIs GitHub API enable autonomous task execution.
- Achieve a minimum 85% task completion accuracy during pilot testing .



# Feasibility Analysis

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- This is an open-source tools and frameworks:
  - Languages/Frameworks ; Node.js backend, React frontend.
  - **APIs:** GitHub API for repository management, Google Calendar API for scheduling
- Economic Feasibility ;
- Most development tools VS Code , Google Api.
  
- **Data Privacy:** Sensitive data GitHub must be encrypted.
- **User Consent:** Explicit permission will be required for third-party integrations.
- **Transparency:** The chatbot will clearly indicate limitations and avoid misleading users.

## Conclusion

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Unicorn Chat is an innovative ICT project designed to develop an agentic chatbot that autonomously supports daily productivity tasks. By integrating AI, multi-tool APIs, the chatbot aims to bridge the gap between traditional reactive assistants and emerging agent-based AI systems.