KnowledgeNet

An Agentic Framework for Deep Research and Intelligent Discovery

B.Tech Major Project Exam:
Group 2

Contents

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Problem Statement

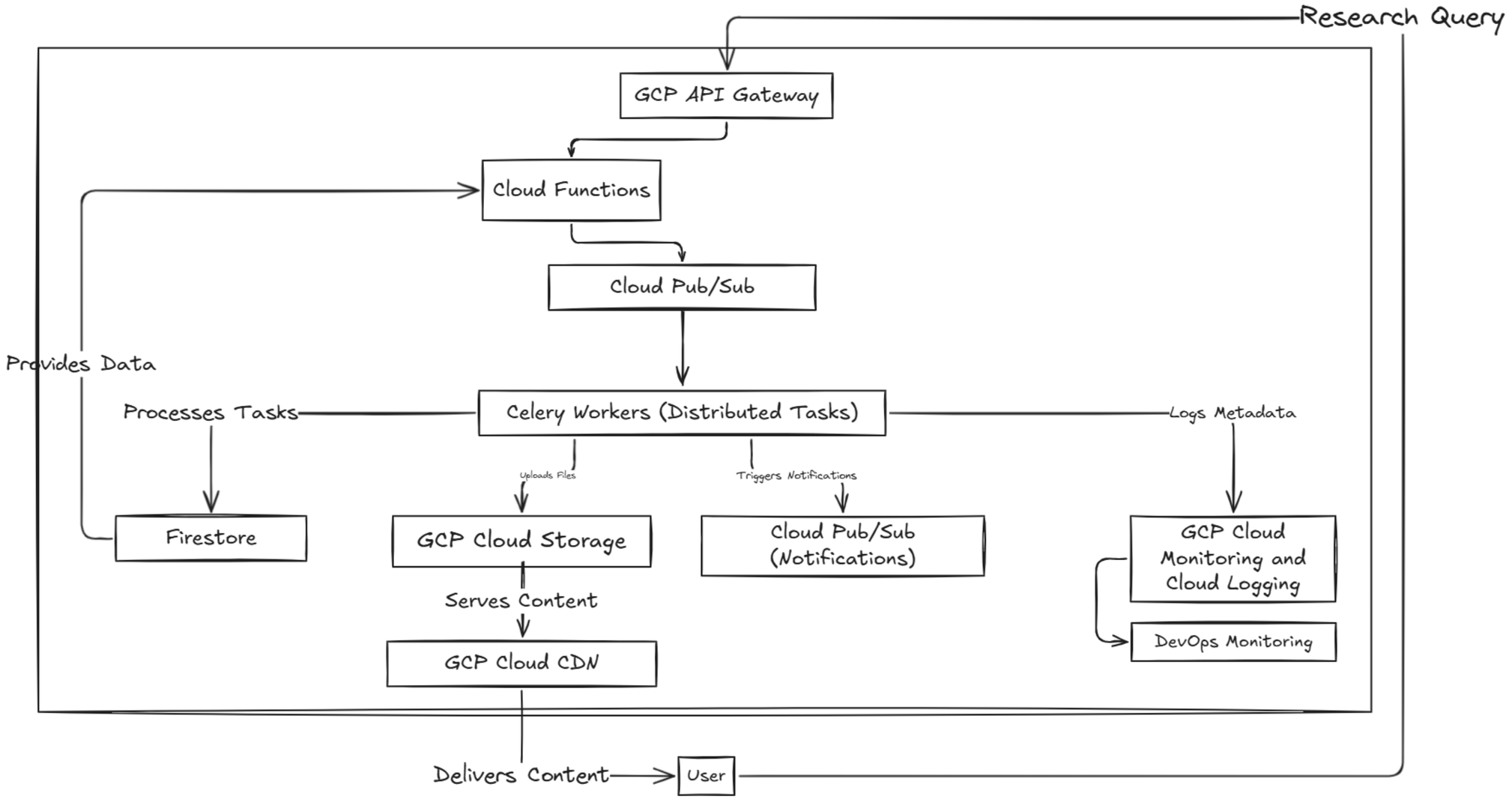
Traditional research methods involve time-consuming manual work—searching for information online, filtering relevant content, and analyzing it for insights. This slows down productivity and limits scalability.

To solve this, we aim to build an **automated research assistant**—an agentic framework that rapidly gathers, processes, and generates insightful content from web-based data. This will significantly reduce research time while enhancing the quality and depth of outcomes.

Objectives

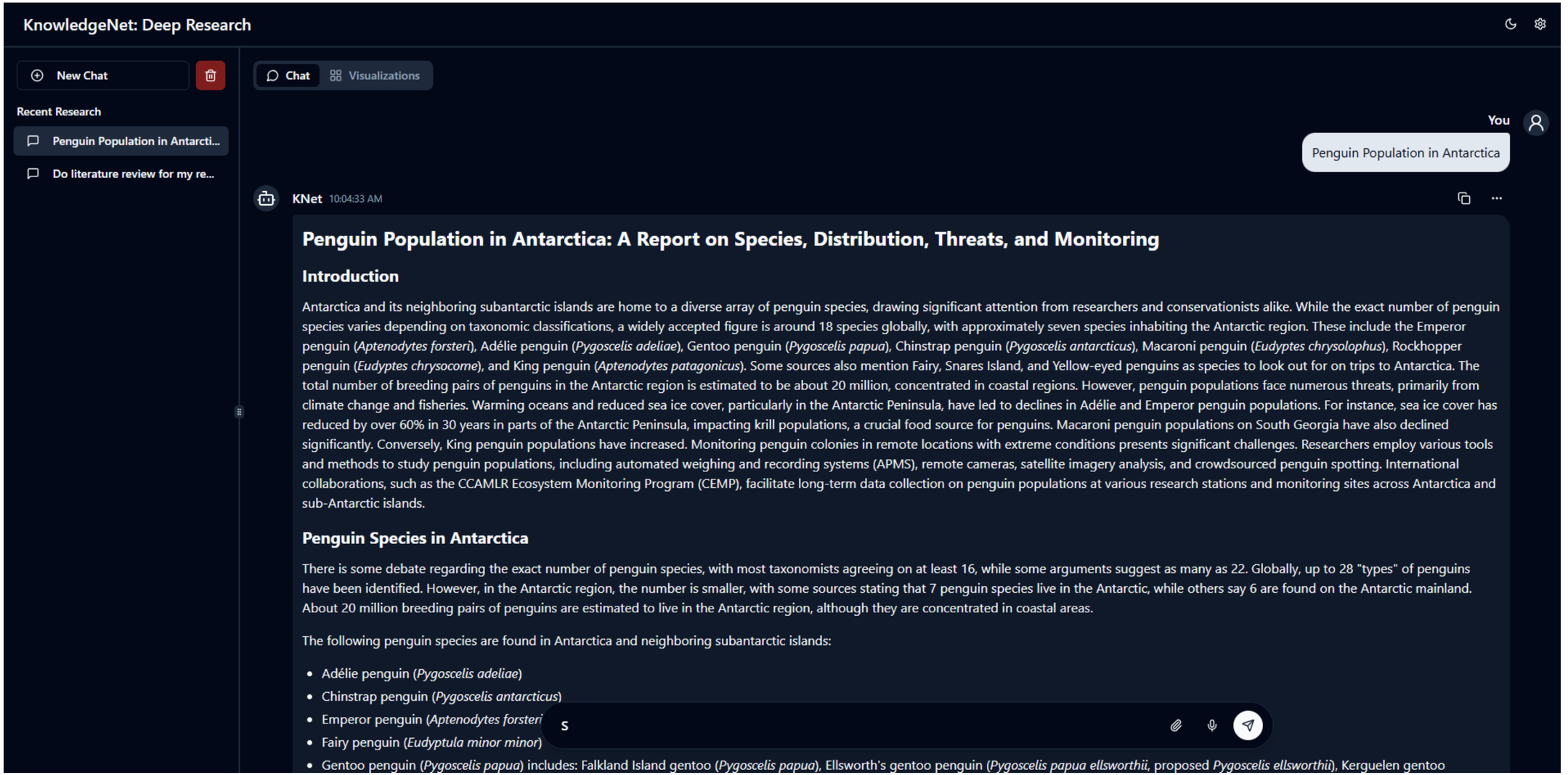
- Automate Information Gathering
- Intelligent Content Filtering
- Insight Generation
- Content Synthesis & Reporting

Methodology / System Design



Technologies Used

Results and Implementation Screenshots



Conclusion and Future Scope

Accelerated Research Workflows

The system successfully reduces the time and manual effort required in traditional research by automating data collection and insight generation.

Multimodal Integration

Extend capabilities to process images, videos, PDFs, and research papers for richer analysis across media types.

Enhanced Insight Quality

Through intelligent filtering and summarization, the framework delivers more focused, relevant, and actionable content to support better decision-making.

Personalized Research Agents

Incorporate user learning and memory modules to adapt outputs based on individual preferences, domains, or past queries.

Thank You !!