

**GOOGLE CLOUD VERTEX AI HACKATHON:
TEAM RONG**

RESEARCH ASSISTANT

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PROBLEM:

- Researchers face challenges in manual searches, limited access to papers, and organizing information.
- Existing methods lack sophistication and efficiency, hindering productivity.



SOLUTION:

- User-friendly interface for inputting search specifications and navigating Google Scholar.
- Automatic scraping and organization of relevant papers.
- Creates comprehensive dataframe and offers downloadable PDFs.
- Integration with Google Vertex AI and Langchain enables knowledge extraction.



MARKET SIZE:

- Global academic publishing market projected to reach \$32.2 billion by 2026.
- Millions of researchers and scholars worldwide as target audience.
- Demand for efficient literature research tools is high.



REVENUE STREAM:

- Subscription-based model with advanced features for researchers.
- Licensing opportunities for institutional use.



NEXT STEPS/BACKLOGS:

- Refine user interface and optimize search algorithms.
- Expand integration with additional AI models for knowledge extraction.
- Develop mobile versions for the research assistant.

