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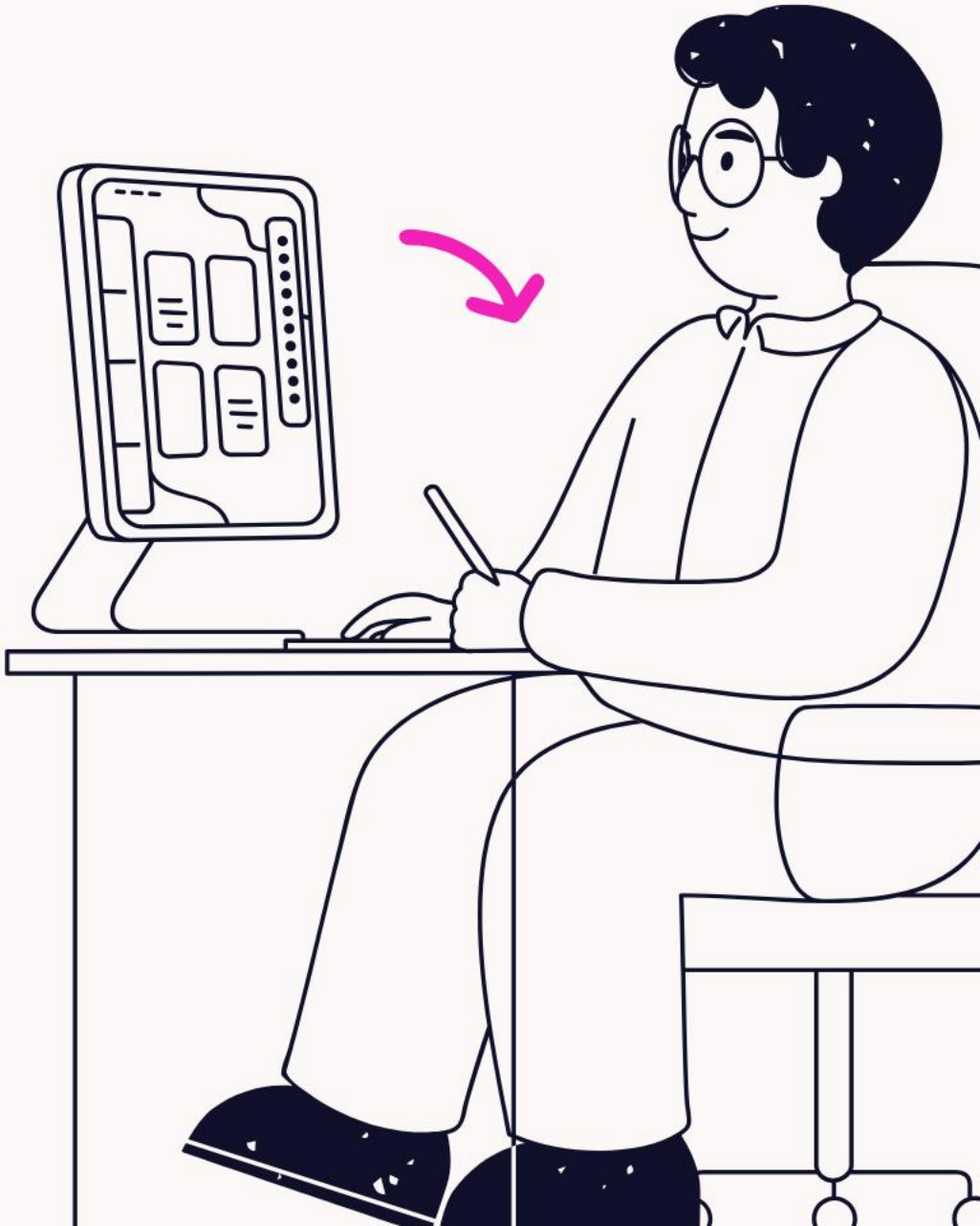
# Gen-AI Research Companion

## From Data to Discovery: GenAI for Smarter Research Offer ID



***Modern research demands efficiency, precision, and collaboration. Researchers often face the challenge of managing large volumes of information, requiring extensive reading and analysis of research papers. This time-consuming process diverts focus from core analysis and innovation to manual labor. These challenges can be addressed by the following:***

- Automating the summarization of research papers to extract key insights.
- Enhancing user interaction with research content through natural language queries.
- Comparing the summaries of the various research papers with a provision to add supplementary information.
- Organizing research documents within a structured, project-based framework.
- Enabling collaboration across organizations while maintaining individual privacy.

## SOLUTION

- ❑ Allows users to upload research papers in PDF format or provide web URLs containing research content.
- ❑ Organizes research content into projects with dedicated (one-to-one) chat and summary generation features.
- ❑ This enables researchers to interact with their documents, extract insights, and collaborate seamlessly with peers within their organization.
- ❑ Ensures data security by keeping chats private to individual users while making summaries accessible across the organization.
- ❑ With support for a hierarchical data structure, the solution is future-ready for SaaS deployment, catering to the dynamic needs of modern research environments.

### Features

- Project/Research Topic Management – Create, Edit and Delete Projects, Document(s) Upload and Web scrapping for processing.
- Search and retrieval of the research documents.
- Document Summarization - Generate concise summaries covering key aspects of research papers.
- One-to-one interaction with the Chatbot.
- Notifications on completion of processing of the research papers and if any changes are made to the Research Project.
- Reporting and Analytics.

## TOOLS/TECHNOLOGIES

- Azure Cognitive Service
- Azure Document Intelligence
- Selenium
- Azure Storage Service
- APIM
- Azure Open AI
- Azure App Service

## BENEFITS

### Increased Operational Efficiency

Automates time-consuming tasks like document organization and summarization, allowing researchers to focus on higher-value activities

### Enhanced Collaboration and Productivity

Enables seamless communication between team members with dedicated chat features, fostering teamwork and knowledge sharing.

### Improved Data Security and Compliance

Ensures sensitive research data remains secure with private, user-specific chats and controlled summary access.

### Streamlined Research and Innovation

Designed for SaaS deployment, allowing businesses to scale effortlessly with growing user bases and data demands.

### Cost Savings and ROI

Reduces overhead costs by automating repetitive tasks and optimizing research process

# Gen-AI Research Companion

## Unlock Knowledge Faster with AI—Summarize, Collaborate, and Discover Smarter.