



## CASE STUDY

# Empowering Research Automation with AI

### YEAR

2024

### INDUSTRY

Biotechnology

### EMPLOYEES

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## Challenge

In early 2024, a client approached iuvo with a clear objective: automate the generation of research papers using their internal company data. Their analysts were manually producing these documents, a process that was not only time-consuming and resource-intensive but also difficult to scale as demand for insights grew. The client needed a solution that could replicate, and ideally enhance, the analytical rigor and contextual awareness of their human experts. They also required a system that could maintain data privacy, ensure consistency across outputs, and provide transparency into how each piece of content was generated. They were ultimately seeking to unlock the full potential of their proprietary data as a strategic asset.

## Solution

To address this challenge, the client partnered with iuvo and a major American university, forming a powerful alliance between industry and academia. iuvo played a central role in shaping the project's direction by facilitating collaboration, translating business needs into technical requirements, and ensuring the client's interests were represented throughout the process. Together, the team co-developed a robust AI system that ran on Microsoft Azure, leveraging its scalable infrastructure and native AI capabilities.

The system was built to:

- Securely process internal company data
- Generate research articles autonomously
- Ensure reproducibility and traceability of AI outputs

### Key Features

- **Transparency:** The system provided full visibility into how the AI generated each response, including the sources of information and reasoning paths.
- **Security:** Data privacy and protection were prioritized, with all processing confined to secure Azure environments.
- **Reproducibility:** Every output was trackable, enabling auditability and confidence in the AI's decisions.

## Results

### Secure

AI BUILT ON MICROSOFT AZURE

### New Revenue Stream

WITH MONETIZED INTERNAL DATA

### Operational

EFFICIENCY

### Strategic

CONTROL

## Outcome

**Operational Efficiency:** The client's team could now produce high-quality research content without manual effort.

**New Revenue Stream:** The system opened up a new business opportunity, selling research as a service.

**Strategic Control:** The client retained full control over content generation, reducing dependency on external analysts.

## Ready to discuss your IT challenges?

Request a consultation and we will connect you with the right solution.

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