Case Study

Data Integration for a Leading University

Magic EdTech

The Client

The client is a premier public institution that is dedicated to providing accessible education and cultivating a global-class learning environment for diverse student backgrounds.

The Challenge

The university wanted to manage and integrate data from various sources to create a comprehensive cross-departmental dashboard. They aimed to have a secure dashboard that displays accurate authorized access-specific details, optimizing decision-making processes across the institution.

Critical Success Parameters

✓ Implement a system enabling users to access data using the student's BannerID.

✓ Develop a PowerBI dashboard showcasing visualizations of 35 relevant data elements in the current phase.

✓ Integrate the dashboard with a Single Sign-On (SSO) system to ensure seamless and secure user authentication.

✓ Create a view-only dashboard as a requirement for the current implementation phase.

Our Approach

✓ Constructed a dynamic dashboard using Magic's Deepsight technology, integrating data from various sources.

✓ Developed a centralized database or data warehouse to store and consolidate integrated data.

✓ Implemented robust data governance and quality management, ensuring accurate metadata collection and application of business rules to upstream and downstream data.

✓ Designed an intuitive dashboard interface with user-friendly navigation and visualization elements.

✓ Leveraged AI models for precise document identification, classification, and segregation.

Key Result Highlights

Streamlined integration of data from diverse sources, ensuring real-time accuracy and efficiency.

Successfully implemented a secure dashboard, optimizing decision-making across departments.

Improved workflow dynamics, reducing manual efforts and a significant increase in user adoption.