



IMPROVING RESOURCE SHARING THROUGH ARTIFICIAL INTELLIGENCE IN **KARABAKH UNIVERSITY LIBRARY**



"Bringing Smarter Search, Smarter Learning—AI in the Library."

AI-Powered Cataloging and Search Systems



AS LIBRARIES CONTINUE TO EVOLVE IN THE DIGITAL AGE, THE INTEGRATION OF ARTIFICIAL INTELLIGENCE (AI) TECHNOLOGIES OFFERS NEW OPPORTUNITIES TO ENHANCE RESOURCE SHARING EXPERIENCES AND SIMPLIFY LIBRARY SERVICES.

AI-Enhanced Digital Resource Access



Resource Availability and Sharing Optimization



Data Analytics for Better Resource Management



Personalized Resource Recommendations



AI-POWERED RESOURCE RECOMMENDATIONS: USING MACHINE LEARNING ALGORITHMS, THE LIBRARY COULD ANALYZE USER SEARCH PATTERNS, CIRCULATION DATA, AND OTHER SIGNALS TO PROVIDE PERSONALIZED BOOK, JOURNAL, AND DATABASE RECOMMENDATIONS TO STUDENTS AND FACULTY

AI for Resource Scheduling and Reservation



Smart Chatbots and Virtual Assistants



AI for Resource Lifecycle Management



6 DIRECTIONS FOR USING ARTIFICIAL INTELLIGENCE IN LIBRARIES

- 1 Promote knowledgeable staff members to lead AI initiatives
- 2 Explore the skills and interests of library personnel in AI
- 3 Facilitate interdepartmental collaboration for AI projects
- 4 Leverage AI tools to assess and enhance library services
- 5 Smart software aids in optimizing the user experience with AI
- 6 Establish networks to connect AI professionals with library needs

A FEW WAYS ARTIFICIAL INTELLIGENCE COULD POTENTIALLY BE USED TO IMPROVE RESOURCE SHARING

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| Optimized Allocation | Automated Inventory Tracking | Predictive Maintenance |
| Dynamic Scheduling | Resource Matching Platforms | Tailored Access |
| Collaborative Sharing | Peer-to-Peer Sharing Systems | Enhanced Communication |

By integrating AI into the Karabakh University Library, resource sharing more efficient, personalized, and dynamic. AI-powered systems can streamline day-to-day operations, making it easier for users to access relevant materials, collaborate on research, and enhance their academic experience. Additionally, AI help optimize resource management, ensuring that the library's offerings remain up-to-date and aligned with the evolving needs of students and faculty. This investment in AI technologies will not only improve the library's operations but also significantly enhance the quality of education at Karabakh University.



Author
Donmez Khalilov
Director

Publishing and library center
Karabakh University
Khankendy, Azerbaijan