

MICHIGAN STATE
UNIVERSITY

Beta Presentation

StackLife 2.0 Library Search and Display Tool

The Capstone Experience

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*From Students...
...to Professionals*

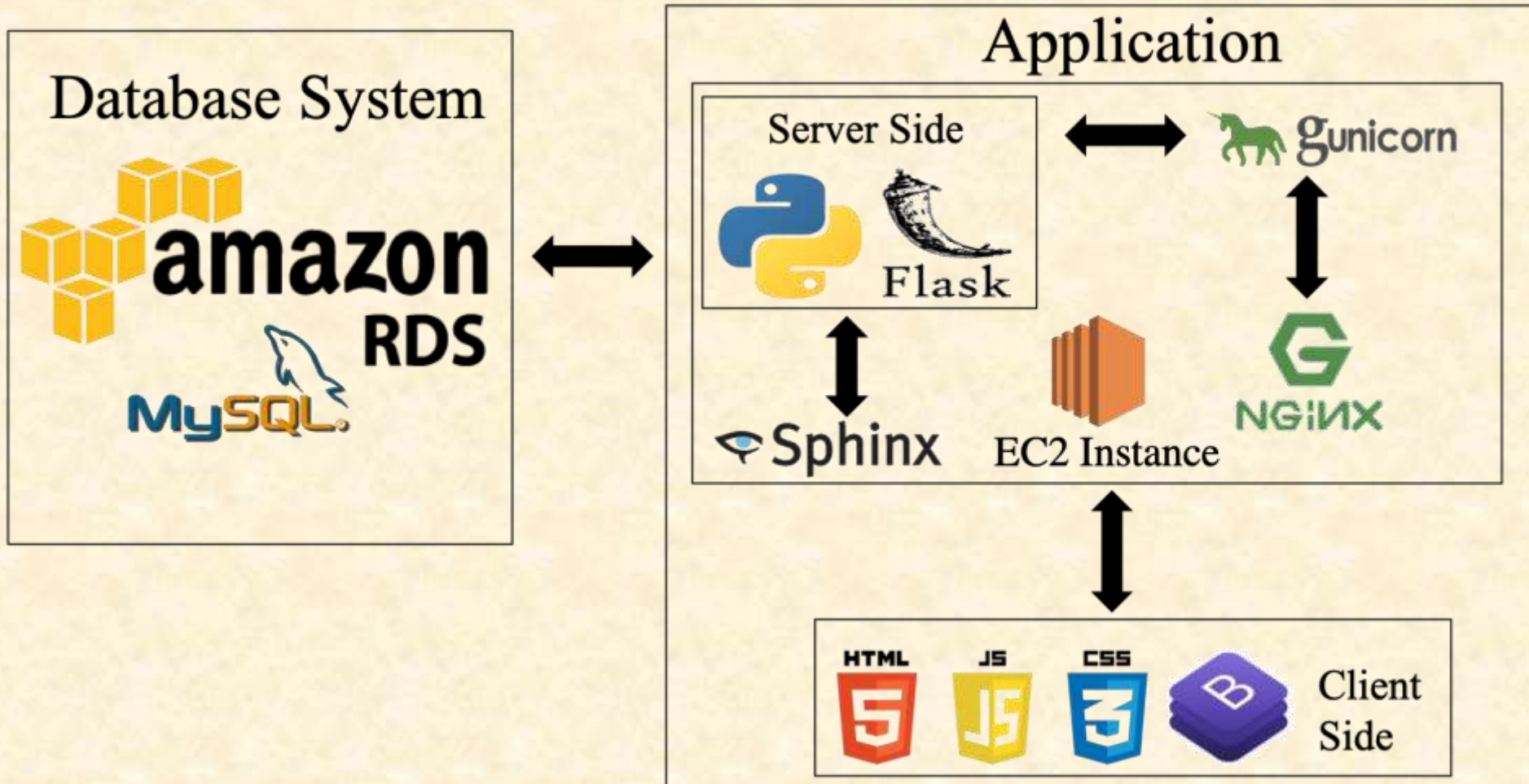
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Michigan State University
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Project Overview

- Parse and store 15 million bibliographic records
- Create intuitive web application to search and display information
 - General searching
 - Advanced Searching with ability to save searches
- Combine different searches to produce collections on different topics
- Display analytic information about data



System Architecture






Home Page



Search Results

The screenshot shows a web browser window displaying the SHARIASource search results for the query "islam". The page features a search bar at the top with the text "Search by author, title or ISSN...". Below the search bar, the results are displayed in a table format with columns for Title, Author, and Publication Date. The table lists three results, each with a corresponding book cover image on the left. The first result is "Orthodoxy and Islam : theology and Muslim-Christian relations in modern Greece and Turkey" by Anagnostopoulos, Nikodemos, published in 2017. The second result is "New perspectives on Islam in Senegal : conversion, migration, wealth, power, and femininity" edited by Mamadou Diouf and Mara A. Leichtman, published in 2009. The third result is "Indonesia, Islam, and the international political economy : clash or cooperation?" by Williams, Mark S., published in 2017.

	Title	Author	Publication Date
	Orthodoxy and Islam : theology and Muslim-Christian relations in modern Greece and Turkey	Anagnostopoulos, Nikodemos	2017
	New perspectives on Islam in Senegal : conversion, migration, wealth, power, and femininity	edited by Mamadou Diouf and Mara A. Leichtman	2009
	Indonesia, Islam, and the international political economy : clash or cooperation?	Williams, Mark S.	2017



Book Detail

The screenshot shows a web browser window with the URL 127.0.0.1:5000/searchresults/254881. The page is titled "SHARIAsource" and features a search bar with the placeholder text "Search by author, title or ISBN". In the top right corner, there are links for "Admin", "About", "Advanced Search", and "Log Out".

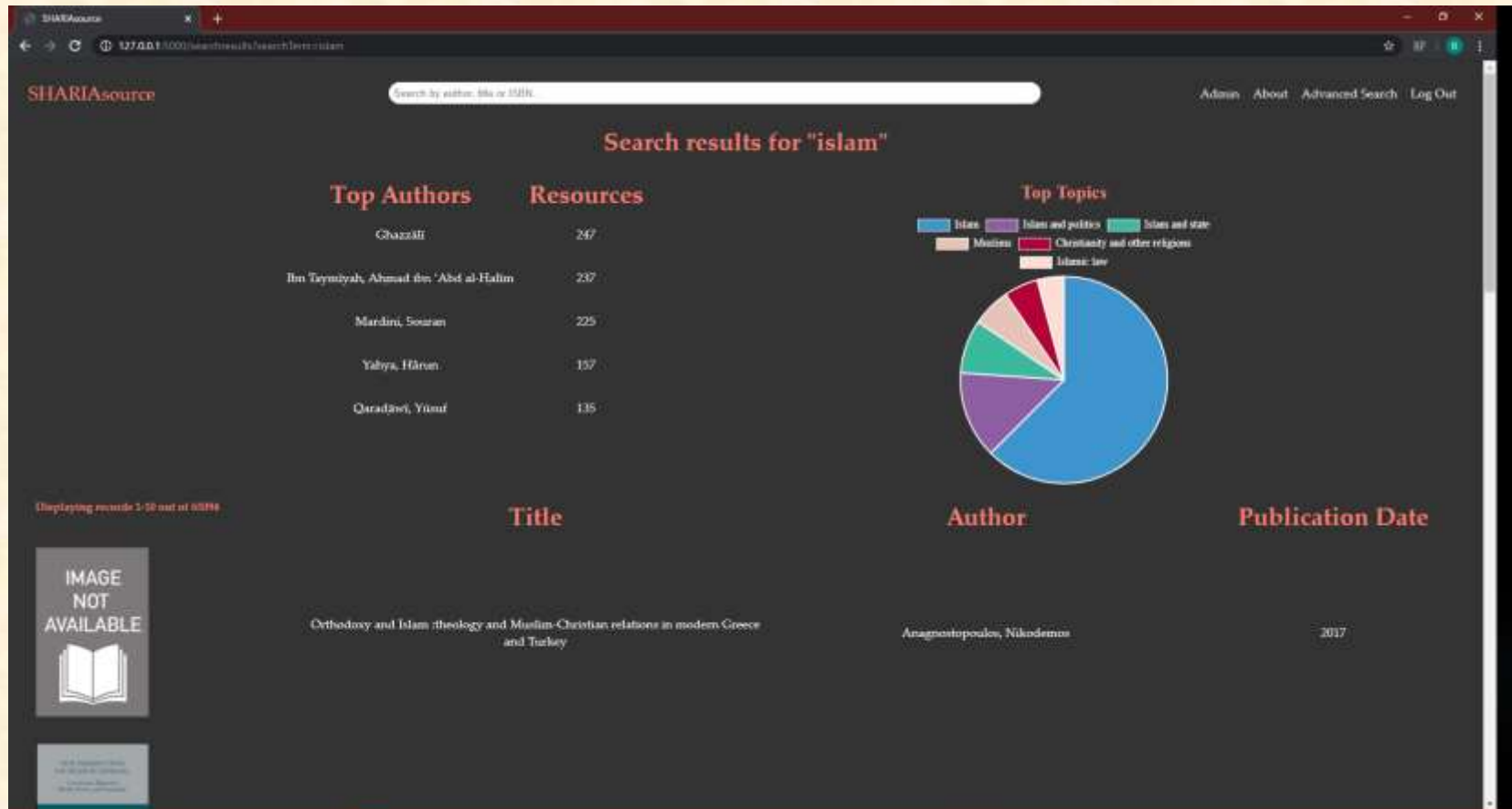
The main content area displays the book cover on the left and the title "European Identity and the Representation of Islam in the Mainstream Press :Argumentation and Media Discourse" in red text on the right. Below the title, the following metadata is listed:

Author	Summary	
Boukhal, Saloni	Unavailable	
Text Language	Original Text Language	
Unavailable	Unavailable	
Publisher	Place of Publication	Publication Date
Palgrave Macmillan	Cham	2019
Location	Online Location	
Unavailable	Unavailable	

At the bottom of the page, there is a red link that says "Buy on Amazon".



Analytics



What's left to do?

- Update advanced search with categories from Harvard librarians
- Get Sphinx Search server running on EC2 instance
- Deploy final product to EC2 instance
- Bug fixing, error screens, styling



Questions?

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