

# Haya Lakhani

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## EDUCATION

### University of Oklahoma

GPA: 4.0 — May 2025

#### M.S. Management of Information Technology

#### B.B.A. in Management of Information Systems

Relevant Coursework: Analytics Programming, Data Science & Analytics, Database Design & Administration, Managing Business Intelligence, Business Data Analysis, Cloud Computing, Infrastructure & Security, Project Management, MIS Field Project, Cyberanalytics, E-Commerce Web Design, Electronic Business

## RELEVANT WORK EXPERIENCE

### Anwar Petroleum Inc.

Sep 2025 – Present

#### Systems Analyst

- \* Integrated and validated data flows across **ERP, CRM, and POS** platforms, improving data accuracy and system reliability for daily operational reporting.
- \* Designed automated workflows and **SQL**-driven dashboards in **Tableau** to streamline inventory reconciliation and sales performance insights, reducing manual processes by 40%.
- \* Built small **Java**-based test scripts using OOP principles to automate data quality checks and verify system behavior during ERP/CRM/POS updates, reducing manual testing effort.

### Donald E. Pray Law Library, University of Oklahoma

Jul 2022 – Jul 2025

#### Circulation / Library Assistant — Data & Systems Analytics

- \* Developed automation scripts in **Python, SQL**, and **VBA** to streamline circulation and reporting workflows, lowering manual data-entry errors by 30%.
- \* Built and maintained **Power BI** dashboards analyzing 70K+ patron records, enabling leadership to identify usage patterns and optimize resource allocation.
- \* Strengthened system integrity by refining permissions, implementing validation rules, and testing Alma–university database integrations using **API-driven** workflows.

### Baig Enterprises

Summer 2023

#### IT Systems Intern

- \* Analyzed 10,000+ transaction records in **PostgreSQL** to identify sales trends and discrepancies, improving inventory reporting accuracy by 15%.
- \* Supported cross-functional teams by gathering requirements and performing **functional & integration tests** across **SAP ERP** workflows to ensure process reliability.
- \* Optimized **SQL** stored procedures and indexing strategies, reducing query latency by 30% and enhancing overall system performance.

## PROJECTS

### Syllabus Lookup Application

- \* Designed an end-to-end **data processing pipeline** using **Power Automate** and an AI model to extract structured fields from 100+ syllabus PDFs, reducing manual processing time by 70%.
- \* Developed a **SQL**-backed data model and integrated **Power Apps** interface that enabled course lookup by course number, improving information retrieval efficiency by 40%.
- \* Implemented Python-based **BeautifulSoup** web scraping to pull **RateMyProfessor** metadata for 3,000+ instructors, enriching data quality for downstream users.
- \* Documented system requirements, validated data accuracy, and tested workflow reliability to ensure consistent performance across the automated solution.

## TECHNICAL, PROFESSIONAL & LEADERSHIP COMPETENCIES

**Programming:** Python, SQL, Java, C#, JavaScript, HTML/CSS, R

**Tools & Frameworks:** .NET, REST APIs, jQuery, AngularJS, Web Scraping

**Data & BI:** Power BI, Tableau, Excel, MongoDB, Data Modeling, ETL, Reporting Dashboards

**Automation & Platforms:** Power Automate, Power Apps, Azure, SAP ERP, Salesforce, GitHub

**Process & Analysis:** Requirements Gathering, Test Planning, Validation/Controls, Documentation

**Soft Skills:** Analytical Thinking, Problem-Solving, Communication, Collaboration, Attention to Detail, Adaptability

**Certifications:** Google Data Analytics Certificate

**Leadership:** International Representative, Peer Mentor, Book Club Leader, President's Community Scholar

**Languages:** English, Urdu, Hindi, German (Intermediate)