

Haya Lakhani

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EDUCATION

University of Oklahoma

GPA: 4.0

M.S. Management of Information Technology

B.B.A. in Management of Information Systems

Awards and Engagement: President's Honor Roll – Three semesters, Dean's Honor Roll – Five semesters, President's Community Scholar, UWC Davis Scholar, Employee at OU Law Library (3 years), Honor's Book Club Moderator, Volunteer at Regional Food Bank of Oklahoma

WORK EXPERIENCE

Baig Enterprises

Summer 2023

Intern

Karachi, Pakistan

- Analyzed sales trends on **PostgreSQL** from over 10,000 transactions, leading to a 15% improvement in inventory accuracy
- Contributed to the customization **ERP software (SAP)** for pharmaceutical distribution, gaining practical experience in **system integration**.
- Reduced inventory query processing time by 30% by optimizing **SQL** stored procedures and indexing.

PROJECTS

Syllabus Lookup Application

- Developed a **Power Apps**-based syllabus lookup tool that reduced manual search time by 70%, enabling course info retrieval via course number.
- Trained an AI model using **PowerAutomate** to extract key data from 100+ syllabus PDFs, storing structured info in a **SQL** database for real-time access.
- Implemented a professor search feature with **web scraping** using **Beautiful Soup** from RateMyProfessor, showcasing ratings and comments for 3000+ instructors

Company Database Design and Implementation - Elysian Fly Company

- Designed a comprehensive **ERD** in **LucidChart**, aligning with client needs and integrating key business cycles, with customized modifications.
- Implemented logical design into an **RDBMS**, including creating a data dictionary, evaluating denormalization, and developing complex **SQL** queries in **SSMS** for client reports.
- Communicated **ERD normalization** to the client, ensuring transition from conceptual to logical design

Spotify Playlist Generator

- Developed an app using **Python** leveraging the Spotify API to create customizable playlists based on user input and preferences
- Implemented algorithms to process and categorize audio features for 50,000+ songs, achieving over 90% user satisfaction in playlist accuracy (based on informal testing/feedback).
- Ensured efficient **API interaction** by optimizing **HTTP** requests and handling authentication securely.

Retail Sales Intelligence Dashboard

- Built a fully interactive **Power BI** dashboard analyzing over 10,000 sales transactions across 5 regional markets and 50+ product categories using a synthetic retail dataset.
- Designed custom **DAX** measures to calculate YoY growth (+12.6%), profit margin by product line, and monthly revenue trends, enabling insight into seasonal performance.
- Integrated dynamic filters for store, product type, and sales representative, improving stakeholder usability for scenario-based analysis.
- Identified top-performing SKUs and isolated 15% of products contributing to 80% of revenue using **Pareto analysis**.

SKILLS

Programming Languages: Python (Prophet, Pandas), R, SQL, VBA, C#, HTML/CSS, PHP

Database Management & Business Intelligence: MySQL Workbench, SSMS, Tableau, Power BI (DAX), SPSS, MongoDB

Cybersecurity & Networking: Wireshark, Cisco Packet Tracer, Packet Analysis, Network Simulation

Platforms: MS Azure, SAP, Salesforce, GitHub, UiPath, MS Power Apps, AWS, MS Access, Microsoft Office