KHALED ALRUWITA

Data Analyst | Backend & Web Developer

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Summary

Recent Computer Information Systems graduate with strong skills in Python, SQL, web development, and cloud computing. Seeking an opportunity to contribute to real-world projects, apply academic training, and grow within the information systems field.

Education

Prince Sattam Bin Abdulaziz

Bachelor's Degree in Computer Information Systems │ GPA: **4.1** / 4.0   08/2021 - 05/2025

Experience

Keeta Technology Arabia Limited   Riyadh

Intern – Onboarding Operations   06/2025 - Present

Managed complex IT projects with a focus on timing, functionality, and cost efficiency.

- Assisted in testing product functions from the end-user perspective and provided feedback to improve usability and functionality.
- Supported merchant onboarding by streamlining internal processes and handling data entry and verification.
- Collaborated with product and research teams to support project implementation and develop tools for sales operations.
- Conducted market research on the Saudi restaurant sector to generate reports and inform product design decisions.

Projects

Traffic Simulation Project [Final Year Project]

Developed a comprehensive traffic simulation at Prince Sattam bin Abdulaziz University (PSAU) campus to optimize vehicular flow under different scenarios.
The project evaluated key traffic metrics such as stop time, waiting time, and vehicle throughput across scenarios like introducing new traffic lights and adding campus entry gates. Results were analyzed using decision tree algorithms to support data-driven traffic management decisions.

- The project was awarded Best Research Project at the university level for the year 2025

Data Integration Chatbot System

Developed a chatbot system that automates responses to user commands and integrates with a MySQL database for data management. Deployed on AWS cloud for scalability. Features include automated data insertion and visual data reporting via screenshots.

Transaction Parsing & Storage System

https://github.com/KhaledAlruwita/transaction-parsing-and-storage-system

Developed a Python-based web system using Flask that parses Arabic bank transaction messages submitted via a web form or iOS Shortcuts, extracts structured data, and stores it in a database. The project includes a user interface for submitting and reviewing transactions. Future development includes multi-user support, data visualization, and expanded message format handling.

Technical Skills

Back-End: Python · MongoDB · Flask · Nginx · MySQL · NodeJS

Front-End: HTML · CSS · JavaScript

Cloud Computing: AWS (EC2, S3, RDS, Lambda) · Alibaba Cloud (ECS) · Oracle Cloud Infrastructure

Data Analysis/Visualization: Power BI · Pandas · Tableau

Simulation Tools: Eclipse SUMO · PTV-VISSIM

Soft Skills

Fluent English · Adaptability · Communication Skills · Time Management · Multitasking · Reliability