

KHALED ALRUWITA

Data Analyst | Backend & Web Developer

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Summary

Data analyst and backend developer with expertise in Python, SQL, and cloud-based solutions. Experienced in building scalable backend systems, automating workflows, and delivering actionable data insights. Proven ability to streamline processes, enhance product functionality, and support real-time data operations. Adept at collaborating across teams to turn complex requirements into efficient, high-quality solutions.

Education

Prince Sattam Bin Abdulaziz

Bachelor's Degree in Computer Information Systems

08/2021 - 05/2025

Experience

Keeta Technology Arabia Limited

Data Analyst Intern

06/2025 - 08/2025

- Performed data cleaning, validation, and quality checks on large datasets.
- Standardized and reformatted raw data to improve accuracy and usability.
- Ensured compliance with internal data management processes and reporting standards.
- Collaborated with onboarding operations team to support client data integration.

SITE

Data Engineer Trainee

08/2025 - Present

- Developed a comprehensive data engineering toolkit software to help the team to analyze, validate, and optimize SQL transformations.
- Built a fully automated daily ETL pipeline transforming raw data into cleansed layers, dashboards, and reports.
- Collaborated with the data modeling team to design and refine dimensional models and warehouse schemas.

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.

Technical Skills

Back-End: Python , MongoDB , Flask , Nginx , PostgreSQL , Airflow

Front-End: HTML , CSS , JavaScript , Streamlit

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

Data Analysis/Visualization: Power BI , Pandas , PySpark

Soft Skills

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