# KHALED ALRUWITA

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Senior student with proficiency in Python, SQL, web development and Cloud Computing. seeking a field training opportunity to apply my academic knowledge and enhance my skills in real world environments. I aim to contribute to innovative projects, gain hands-on experience, and develop an understanding of the information systems field.

## **EDUCATION**

Bachelor of Computer Information Systems
In Prince Sattam Bin Abdulaziz

Aug 2021 – Expected May 2025

GPA: 4.09

### **PROJECTS**

SUMO 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.

Technologies Used: SUMO, Python, Traci, DecisionTreesClassifier.

Data Integration Chatbot System

Designed and developed a chat bot system capable of handling user commands and automating via chat messages and it is integrated with a MySQL database using MySQL. Connector to manage user data, allowing for efficient querying and data insertion, also it can send the user a screenshot of a data visualizations The entire system is hosted on a cloud, ensuring scalable and reliable performance.

Technologies Used: Python, MYSQL, AWS

#### **CERTIFICATES**

AWS Compute Services

Mar 2024

# **TECHNICAL SKILLS**

- Database Management [Oracle Live, PhpMyAdmin]
- Cloud Computing [AWS(EC2), OCI, AliCloud]
- Front-end [HTML, CSS]
- Data Analysis/Visualization [Power BI, Pandas]
- Back-end [Python, Java, Flask ,Ngnix, MySQL]
- Simulation Tools [Eclipse SUMO,PTV-VISSIM]

#### **SOFT SKILLS**

- Fluent English
- Adaptability

Flexibility

- Time Management
- Multitasking

Reliability