

KHALED ALRUWITA

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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

- Bachelor of Computer Information Systems
From Prince Sattam bin Abdulaziz University

Aug 2021 – May 2025

GPA: 4.09/5.00

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

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.

Technologies Used: Python, MySQL, AWS

CERTIFICATES

- AWS Compute Services – Cloud Computing

Mar 2024

TECHNICAL SKILLS

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|--|--|---|
| <ul style="list-style-type: none">Database Management [Oracle Live, PhpMyAdmin]Cloud Computing [AWS_(EC2), OCI, AliCloud] | <ul style="list-style-type: none">Front-end [HTML, CSS]Data Analysis/Visualization [Power BI, Pandas] | <ul style="list-style-type: none">Back-end [Python, Java, Flask ,Ngnix, MySQL]Simulation Tools [Eclipse SUMO,PTV-VISSIM] |
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SOFT SKILLS

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| <ul style="list-style-type: none">Fluent EnglishTime Management | <ul style="list-style-type: none">AdaptabilityMultitasking | <ul style="list-style-type: none">Communication SkillsReliability |
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