

# Mohamed Alsaleh

## M.Sc. in Civil / Transportation Engineering

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College of Engineering    **Tel:** +1 (225) 501-2603  
Louisiana State University (LSU)  
Baton Rouge, Louisiana 70808, United States

[Personal Portfolio](#) | [LinkedIn](#)

## Education

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**M.Sc. in Transportation and Highway Engineering** *May 2024–Present*  
Louisiana State University (LSU), Baton Rouge, LA, USA  
**GPA:** 4.07/4  
**Minor** in Applied Statistics

**B.Sc. in Civil Engineering** *Sep 2018 – May 2023*  
Jordan University of Science and Technology, Irbid, Jordan  
**GPA:** 3.93/4  
Ranked **2nd** out of **126** graduate batch  
Ranked **1st** for Fall semester 2021-2022  
On the Dean List for Scholarly Award and Academic Excellence for **8** consecutive semesters

## Professional History

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**Civil Engineering Intern | DI WOLFGANG HÖPPL | Austria** *July 2022– Oct 2022*  
- Summer internship at DI WOLFGANG HÖPPL, Austria, gaining multidisciplinary field and office experience.  
- Applied Civil 3D, QGIS, AutoCAD, and Python for engineering design and analysis tasks.  
- Collected and processed geospatial data (GPS, Total Station, Sonar) to generate 2D/3D contour maps and plans.

## Research Affiliations

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**Graduate Research Assistant | Louisiana State University (LSU) | United States** *May 2024– Present*  
**Project:** Ground-in Edge and Centerline Rumble Strip/Rumble Stripe Evaluation and Best Practices (LTRC Funded, 204,983 USD )  
- Led experimental and data-driven evaluation of rumble strip noise and vibration using AASHTO, SAE, and ISO standards.  
- Co-authoring two peer-reviewed papers: experimental evaluation and ML-based noise prediction.  
- Designed and implemented data collection and analysis protocols, including Python and R scripts for acoustic/vibration metrics.  
- Directed a multidisciplinary field team (technicians, undergraduate, and PhD students).  
- Presented research at the 104th TRB Annual Meeting (four accepted posters).  
- Contributed to drafting three research proposals.

## Other Appointments and Leadership Roles

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### **Elected President, ITE LSU Student Chapter**

*May 2025–Present*

Louisiana State University (LSU) | United States

Leading initiatives to improve student participation, industry-academic collaboration, and transportation research excellence.

### **Elected Treasurer, ITE LSU Student Chapter**

*Sep 2024–May 2025*

Louisiana State University (LSU) | United States

## Competitive Awards and Recognitions

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**Graduate Research Award (2nd Place)** — 13th Annual CEE Graduate Student Research Conference. 2025

*Louisiana State University*

**Gulf Region Intelligent Transportation Systems (GRITS) Scholarship** — Recipient for the 2024 School Year. 2024

*Gulf Region Intelligent Transportation Systems (GRITS)*

**Bentley Travel Grant** — Awarded by Louisiana Transportation Research Center (LTRC) to attend the TRB Annual Meeting, Washington, DC. 2024

*LTRC / TRB Annual Meeting, Washington, DC*

**Ranked 2nd out of 126 Graduate Students** — Civil Engineering Graduate Batch. 2023

*Jordan University of Science and Technology (JUST)*

**Ranked 1st in Civil Engineering Cohort** — Fall 2021–2022 academic year. 2021–2022

*Jordan University of Science and Technology (JUST)*

**Dean List for Scholarly Award and Academic Excellence** — Recognized for academic excellence in eight consecutive semesters. 2018–2023

*Jordan University of Science and Technology (JUST)*

## Featured Courses

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Course	Final Grade
EXST 7004 — Experimental Statistics I	A
CE 7610 — Traffic Operations and Control	A
CE 7700 — Intelligent Transportation Systems	A
GEOG 4047 — Geographic Information Systems	A+

## Computer and Language Skills

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**Languages:** Arabic, Macedonian (Native); English (Fluent, IELTS 7.5).

**Technical Skills:** Data Analysis and Programming (Python, C++), ArcGIS/QGIS, MS Excel, AutoCAD, LaTeX, PTV Vissim, Civil 3D.

## Courses and Certifications

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Data Analysis with Python — IBM Developer Skills Network.	2024
Python 101 for Data Science — IBM Developer Skills Network.	2024
Machine Learning with Python — IBM Developer Skills Network.	2024
QGIS Mega Course: GIS and Remote Sensing — Beginner to Expert — Udemy (Online).	2023

## Research Conferences

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C3	13th Annual LSU CEE Graduate Student Research Conference — March 2025	2025
C2	TRB 104th Annual Meeting, Washington, D.C. — January 2025	2025
C1	GRITS Annual Meeting, Biloxi, MS — October 2024	2024

## List of Publications

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J1	A. Al-Omari, M. Alsaleh, N. Shatnawi. Spatial-temporal analysis and severity prediction of traffic accidents. <i>Engineered Science</i> , 34, 1472 (2025). <a href="https://doi.org/10.30919/es1472">https://doi.org/10.30919/es1472</a> .	2025
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