

# Ali Elsaid Aburady Traffic & GIS Analyst

📍 Riyadh - Saudi Arabia

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## PROFESSIONAL SUMMARY

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Traffic and GIS Analyst with hands-on experience in transportation and traffic engineering studies, including Traffic Impact Studies (TIS/TIA), traffic operations analysis, and modeling applications. Skilled in developing and analyzing traffic models using VISUM, SIDRA, and Synchro, including OD matrix development, trip assignment, and network modeling (Links, Nodes, Zones, Connectors, and Turns).

Experienced in traffic data analysis, peak hour identification, Level of Service (LOS) evaluation, travel time analysis, and signal timing analysis. Proficient in GIS applications for spatial data processing and integrating traffic data to support transportation planning and decision-making. Capable of preparing technical reports, traffic safety plans, and coordinating with relevant authorities to ensure compliance with standards and regulations.

## EDUCATION

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**Tanta university**, Bachelor's Degree in Geography, specializing in Geographic Information Systems (GIS) and Surveying 2016 – 2020

**Tanta university**, Holder of a Master's Preliminary Diploma in Modern Geography, Surveying, and Cartography 2021 – Juli 2022

## WORK EXPERIENCE

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**TRAFFIC & GIS Analyst**, Mai 2025 – heute | Riyadh  
Mena For Engineering consultancy

### Examples of projects I have participated in:

- **Participated in an urban development project in Central Riyadh in collaboration with an international consulting firm, within transportation and traffic studies scope.**
  - . Contributed to the development of traffic count implementation plans for a large number of intersections.
  - . Developed spatial maps and analyses using Geographic Information Systems (GIS).
  - . Supervised and carried out field traffic surveys while ensuring data quality control.
  - . Analyzed traffic count data and supported traffic studies and modeling activities.
  - . Conducted travel time analysis on major road corridors using GPS and GIS tools.
  - . Performed signal timing analysis for all intersections within the project area.
  - . Conducted pedestrian crossing counts and analyzed the results.
- **Traffic impact study for King Abdulaziz University in Riyadh.**
- **Traffic impact study for a residential building in Al-Murabba District, Riyadh.**
- **Traffic impact study for United Doctors Hospital in Jeddah.**

- Traffic impact study for United Doctors Hospital in Al-Ahsa.
- Traffic impact study for Al-Mousa Hospital in Al-Ahsa.
- Traffic impact study for a commercial building in Al-Ahsa.
- Traffic impact study for Dar Al-Shifa Hospital in Jazan.
- Traffic impact study for two fuel stations in Arar.
- Traffic diversion project in Abha.

**TRAFFIC & GIS Analyst, Freelancer from Egypt**

April 2024 | Saudi Arabia

**Examples of projects I have participated in:**

- Comprehensive traffic study for a commercial project in Dhahrat Al-Badi'ah district on Sheikh Abdulaziz bin Mohammed bin Ali Road.
- Comprehensive traffic study for a commercial project in Al-Arjiyah Al-Gharbi district on Imam Abu Hanifa Road.
- Comprehensive traffic study for a mixed-use (commercial-residential) project in Al-Narjis district on Othman bin Affan Road.
- Traffic impact study methodology for a commercial project in Al-Narjis district on Abi Bakr Al-Siddiq Road.
- Traffic impact study methodology for a commercial project in Al-Sulay district on Shibh Al-Jazirah Road.
- Traffic impact study methodology for a parking project in Al-Yasmeen district on Al-Thumamah Road.
- Traffic impact assessment for the operation of a concrete pump on the Northern Ring Road.
- Traffic impact assessment for the operation of a concrete pump on Haris Sub-Street.
- Traffic impact assessment for the operation of mobile cranes and concrete pumps on King Fahd Road.

**GIS Specialist,**

Ministry of Justice – Real Property and Land Registry

Juni 2023 – Januar 2025

Egypt - ( Cairo - Tanta )

- Creating geographic databases for properties and lands
- Creating maps for properties and lands
- Reviewing maps and drawings

**GIS Specialist, GeoMakni Spatial Solutions Company**

Juni 2022 – Mai 2023 | Cairo

- Creating geographic databases for companies and factories.
- Creating detailed maps of residential neighborhoods.
- Creating land use maps for multiple cities.
- Creating project reports.

**GIS Specialist, Egypt Gas Company**

Oktober 2021 – Mai 2022 | Cairo

- Creating geographic databases for utility networks.
- Converting gas network plans from AutoCAD to Shapefiles.
- Creating gas network maps for villages and cities.
- Data entry.

**GIS Specialist,**

Pathfinders Group Contracting Company

Februar 2021 – September 2022

Cairo

- Drafting building and street layouts using AutoCAD and Google Earth
- Converting AutoCAD drawings to shapefiles
- Conducting field visits to survey sites

## COURSES

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- ArcGIS Network Analyst, Esri platform** 2025
- Preparing data for network analysis in ArcGIS Pro
  - Creating a network dataset
  - Creating optimized routes using ArcGIS Pro
  - Creating an origin-destination cost matrix using ArcGIS Pro
  - Creating service areas using ArcGIS Pro
  - Using web services for network analysis and routing
- Diploma in Transportation and Traffic Engineering, Array holding** 2024
- Introduction to Traffic Engineering
- Definition of Traffic Engineering
  - Components of Traffic Systems
  - Traffic Volume Studies
  - Speed Studies
  - Intersections from a Traffic Perspective
  - Traffic Studies
- GIS Diploma, California (Coursera platform)** 2023
- Fundamentals of Geographic Information Systems (GIS)
  - GIS Data Formats, Design, and Quality
  - Geographic and Environmental Analysis
  - Imaging, Automation, and Applications
  - Geographic Analysis Project
- Spatial Data Science and Its Applications, California (Coursera platform)** 2022
- GIS Courses, ESRI** 2021
- Learning ArcGIS Pro
  - Fundamentals of Databases
  - Getting Started with Geographic Information Systems (GIS)
  - Getting Started with Spatial Analysis
  - Extracting Information from a GIS Map
  - Fundamentals of Geographic Information Systems
- (2021): GIS Mapping and Spatial Analysis Specialization offered by University of Toronto "COURSERA".**
- Introduction to GIS Mapping.
  - Spatial Analysis and Satellite Imagery in GIS
- (2022) Spatial Data Science and Applications by Yonsei University "COURSERA"
  - (2021) learn ArcGis Pro "UDEMY"
  - (2021) Database fundamentals "MAHARAT-TECH ONLINE"
  - (2021) Getting Started With GIS "ESRI"
  - (2021) Getting Started with Spatial Analysis "ESRI"
  - (2021) Getting Information from GIS map "ESRI"
  - (2021) Fundamentals of geographic information systems "ESRI"
  - (2020) Passing the first level of 1 Gisonline. "FAYOUM UNIVERSITY"

## SOFTWARE

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SYNCHRO | VISSUM | SIDRA INTERSECTION | vehicle Tracking | AUTO CAD |  
CAD Earth | Google Earth Pro | Arc Gis pro | ArcGIS Desktop | QGIS |  
ArcGIS Online | Microsoft Office

## SOFT SKILLS

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- Ability to work under pressure
- Teamwork spirit
- Ability to adapt to others
- Politeness and good appearance

## LANGUAGES

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Arabic



English

