



(CV)

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## GIS Analyst and Consultant

### Personal Data

**Nationality: Egyptian**   **Birth Date: 19/1/1985**   **Years' Experience: +18 years**   **Marital status: Married, with 3 children**

### Professional Summary

Collect geographic data from various sources such as maps, surveys, and remote sensing technologies analyze and organize this data to create a database that can be used to generate maps, reports, and other visualizations design and implement spatial databases to store and manage geographic data. Also create data models to ensure that the database is structured in an efficient and effective manner, integrate GIS with other systems such as enterprise resource planning (ERP) systems and customer relationship management (CRM) systems. This allows organizations to make more informed decisions by analyzing geographic data alongside other business data Supervision of infrastructure projects, maintenance and operation projects (FM).  
Oversee the procedures for developing, examining, implementing, operating and maintaining the system, Follow up the extraction of maps, drawings and reports ,Ensure that KPI targets are achieved and maintain alignment with company strategy Data quality is regulated by a quality assurance (QA) program through quality control (QC) processes and data integration (BIM).

### Education/Degrees

**Bachelors in Geographic Information Systems (GIS) of Ain Shams University 2007.**

1. Professional **Diploma** in Project Management from PMP Master, Institute of Professional Engineers, Riyadh, 2025.
2. **Diploma** in African Studies from the Department of Geography, Institute of African Research and studies, Cairo University 2008.
3. Consultant Project Management **Diploma (PMC)** from the University of Cambridge through the Academy of CTC Academy, Cairo 2011.
4. Registration **Master's** degree in Human Geography By (GIS), Institute of African Research and studies, Department of Geography, Cairo University 2010.
5. License International Computer Driving-**ICDL** 2012.

### Professional Experience

#### 1. GIS Manger (GIS) With SAJCO COMPANY.

##### 📌 Project's Name:

1. Project NEOM-08 International Airport - Earthwork Package 4 (Tabuk).
2. Project NEOM-07 Trojena Arrival Road Construction, Mountain Exclusive Resort (Tabuk)
3. Project NEOM-11 Regional Infrastructure, Construction of Temporary Access Road, Package 2 (Tabuk)
4. Project NEOM-10 Spine Infrastructure - Grading Upper Valley Region (Tabuk).
5. Project Sports Boulevard - King Abdulaziz Underpass Infrastructure (Riyadh).
6. Project Read Sea - H5 Interchange between Shurayrah and Airport Road & North Jetty Interchange (Tabuk).
7. Project Implementation Prince Turki bin Abdulaziz Al-Awwal Tunnels and Bridges (Riyadh)
8. Project Anas Bin Malik Road Development Project with Bridges and Tunnels (Phase One) RIYADH.
9. Project Implementations of Stormwater Drainage Network in Districts (ARQA, ALKHOZAMA-SOUTH RIYADH).
10. Project KING FAISAL AIR ACADEMY, MAJMAA (RIYADH).
11. Project QIDDIYAH WAHAT RAOD PKG-4 AT DURMA ROAD (RIYADH).
12. Project Pipelines of Network Sewer & Water in (North, South, West Riyadh).
13. Project Implementations of Stormwater Drainage Network of District (JEDDAH).
14. Project Implementation and Maintenance of the Road Network in Asir City (ABHA).
15. Project of Riyadh Municipality Execution Department Building (RIYADH).
16. Project of stored materials for crushers, concrete and asphalt plants in Riyadh.



17. Project of stored materials for crushers, concrete and asphalt plants in Riyadh.

✓ **Executed Works:**

- Prepare and digitized 3D data for Machine Control and SPS using TBC.
- Data Integration between BIM & GIS for 2D and 3D data.
- analyzing and processing data from various sources Mobile Mapping, Drone, 3D Scanner Service, 3D data modeling
- Creating and managing geographical database for the infrastructure utilities (Asphalt, lighting, storm/wastewater drainage).
- Analyzing customer needs and identifying the technical requirements necessary to create GIS systems
  - Creating and designing detailed maps at a scale of 1:30000 and 1:10000 for future, existing and underway implementation roads in the city of ABHA.
  - Building and design a detailed of the geographical database (GIS) for future, existing and underway implementation roads in the city of ABHA.
  - Testing and analyzing GIS systems, updating and maintaining them Managing GIS technology projects
- Preparing survey works in accordance with requirements in coordination With the project management team
  - Receiving the executed and completed works of surveying the sites, converting, reviewing and uploading them to the geographical database (GIS) related to the projects of bridges, tunnels, roads, buildings, torrents, sewage and drinking water of the Drinking Water Company and the Municipality of Riyadh and Jeddah and handing it over a final delivery.
  - Assisting in additions and modifications to the geographical database (GIS) of Project Design & Build H5 Interchange between Shurayrah and Airport Roads (Tabuk - Umluj-Read Sea Project) .
  - Create MODELS by Modelbuilder (GIS) for conversions between (Google Earth -AutoCAD-GIS) and add, modify, and fill fields, and convert the content of fields from Arabic to English.
  - Creation of TIN maps from contour points for both QIDDIYAH in Riyadh, Asir, Abha region, using by (DEM-DSM-DHM-DTM) images with a resolution of 90 m.
  - Making 3D ANIMATION for Prince Turki Road, explaining the traffic of cars, Topographic landmarks along the road before the implementation the project (Riyadh) and the retaining walls of the obstacles at (Abha) and the Qiddiya project, the lower plateau PKG-1, explaining the executed and remaining works.
  - downloading High-Resolution satellite images of different areas in the city of Riyadh.
  - making a detailed interactive design by Adobe Acrobat X Pro program for the geological areas a Saudi, which helps in obtaining the best places for stored materials and building of crushers concrete and asphalt plants.
  - Calculating the quantities of stored materials of crushers in city of Riyadh and Medina using CIVIL 3D.
  - Follow up the survey works of the sites and add them to the plans and calculate the quantities of the Interim Payment Certificates (IPC) and the requirements of the surveyors at the different sites.

## 2. GIS Consultant (GIS) With Holy Makkah Municipality.

✓ **Project's Name:**

- ✓ Implementation Execution projects of the lighting Makkah and its villages - contract (78).

✓ **Consulting Office:** Bin Jubair Consulting Engineers.

✓ **Executed Works:**

- Building, modify and add an integrated geographical database (GIS) for implementation lighting projects.
- Creating 3D ANIMATION for Lighting roads of Aekicheh, Aljmom, Makkah Jeddah old ,Makkah El Madena by solar ,
- Decorations and normal poles.
- Creating plans and maps lighting for Holy Makkah areas and villages.
- Receiving the approved plans and completed from contractors for conversion, reviewed then uploading to database the management of quality to the system (SDI).
- Follow up the works related to GIS and everything related to project documents on the (PMW) system, additions and modifications to the geodatabase (GIS) for quality management in accordance with the specifications and conditions for the management of lighting projects implementation.
- Downloading High-Resolution satellite images of different areas in Holy Makkah areas and villages.
- reviewed and calculating the quantities of the Interim Payment Certificates (IPC) a sites and Contracts for contractors and assist in create the project's monthly reports.
- Create MODELS by Model builder (GIS) for conversions between (Google Earth -AutoCAD-GIS) and add, modify, and fill fields, and convert the content of fields from Arabic to English.



### 3. GIS Analyst (GIS) With Egyptian public Authority of Survey (ESA)

#### ✓ Project's Name:

- ✓ The National Project for National Project for the Urban Cadaster.

#### ✓ Executed Works:

- Assisting with our work team for Building integrated geographical database (GIS) of Project.
- Creating (Cadastral Map) on a scale of 1:2500, 1:1000.
- Receiving the completed works from companies of project for reviewed then compares it geographical database (GIS) with site by surveyors.
- Distributing the work to each of the surveyor's team, the (GIS) team and the map reviewers to make the final statement and hand it over to the companies participating in the project.
- Create Monthly and weekly project reports regarding percentages of work quantities executed, remaining, as well as quarterly assessments for the work team.
- Giving training courses at the Authority's educational Center for recent graduates and employees of the Authority (Advanced GIS 1,2).
- Training the work teams in each of the Tax Authority and the Land Registry Office on (GIS) system.
- Coordination between ESA, the Tax Authority and the Land Registry Office regarding the review and accuracy of project data.



### 4. GIS Specialist (GIS) With GLOBE TELECMCO.

#### ✓ Project's Name:

- ✓ Production of digital maps for the Greater Cairo and the Alexandria Governorate on a scale of 1:1000.

#### ✓ Type of work: Cartographer & review 2 (GIS).

#### ✓ Type of Maps: (Satellite Image\_ Quick Bird), by Scale (1000:1) & (5000:1). Website: <http://www.gt-egypt.com>.



GLOBE TECHNOLOGIES

### 5. GIS Specialist (GIS) with PROSYLAB Company Information & Communication System).

#### ✓ Project's Name:

- ✓ The National Project for automating record-kind of the agricultural lands.

#### ✓ Type of work: Quality control (GIS).

#### ✓ Type of Maps: (Cadastral Map), by Scale (2500:1 & 1000:1). Website: <http://www.prosylib.com>.

Prosylib Information & Communications Systems

### 6. GIS Specialist (GIS) with Dar Al Omran Consultants.

#### ✓ Project's Name:

- ✓ Strategic plan for the city Dabaa 2027.

#### ✓ Type of work: expert (GIS).

#### ✓ Type of Maps: land use and urban planning (civil 3D) Website: [www.ar.alomran.com](http://www.ar.alomran.com).



## Courses

### ESRI GIS Courses.

1. Certificate Of Spatial Data Science: The New Frontier in Analytics.
2. Certificate Of Getting Started with Data Management.
3. Certificate Of Getting Started with Mapping and Visualization.
4. Certificate Of ArcGIS Online Basics.
5. Certificate Of ArcGIS Pro Basics.
6. Certificate Of Getting Started with Spatial Analysis.
7. Certificate Of GIS Cartography.
8. Certificate Of GIS Basics.

### LinkedIn GIS Courses.

1. Certificate Of Completion Real World GIS.
2. Certificate Of Completion\_InfraWorks and ArcGIS AEC Collaboration.
3. Certificate Of Completion\_Learning ArcGIS Python Scripting

### IDS GeoRadar (SAJCO Company - Saudi).

1. STREAM UP (uMap , IQMaps , AiMaps , APS) (Ground Penetrating Radars).

### Horizaon Gate Training (Riyadh - Saudi).

1. Road design and calculation of excavation, backfill and layers quantities by (CIVIL 3D).

### Cairo University.

2. Adobe Photoshop in Faculty of Engineering Cairo University.
3. Arc GIS (Geodatabase & Application) in Institute of African Research and studies (Cairo university).
4. AutoCAD 2D 2010 in Faculty of Engineering Cairo University.

### Egyptian Public Authority of Survey (ESA).

5. Arc GIS Geodatabase (1 & 2) by (quality stander).
6. ARCGIS data Production by (quality stander).
7. Arc GIS Quality control And Quality assurance by (quality stander).
8. Arc SDE administration for DB2 by (quality stander).

### Holy Makkah Municipality.

9. Training on the electronic application system for managing projects (MMPTS) through Company Khatib and Alami.
10. Training on the application of the Mecca Explorer (MMSDI) through Khatib and Alami.
11. Training on the establishment of the geographical database infrastructure through Khatib and Alami.

### Certificates of Appreciations .

- 🏆 Certificate of Appreciation from the Municipality of Makkah Al Mukarramah Region - Lighting Project Execution Department About the completed works for the year 1434 Hijri.
- 🏆 Certificate of Appreciation from the Municipality of Makkah Al Mukarramah Region - Lighting Project Execution Department About the completed works for the year 1435 Hijri.

## **GIS Theoretical and Practical Knowledge**

- ✓ Introduction to GIS - Cartography and map projections - Cartography and map projections - Create Enterprise Geodatabase - Data Capture - Vector data structure - Vector data analyses (Overlay Analyses – Proximity Analyses – Network Analysis) - Raster data structure - Spatial Statistics – Visualization - Remote Sensing Principles - Digitalization and image rectification - Network Analyst - Spatial Database Engine (SDE)

### **Basic Knowledge**

## **GIS Practical Skills**

- ✓ Introduction I, II - Cartography with ArcGIS - QC & QA For GIS Data - Building Geodatabase, I, II - Relationship Class - SDE for DB2 - Building Model - Data Production and Editing Techniques - Geoprocessing Tools – Geocoding- Conversion Tools - Spatial Analysis - Spatial Statistics (Analyzing patterns \_ Measuring Geographic Distribution) - Data Management Tools - Introduction to Python GIS - 3D Analyst .

### **ESRI Standard Tracks**

## **Remote Sensing Skills**

- ✓ Principles and Applications - Image Enhancements Techniques - Geospatial Image processing and analysis, Display raster, vector, annotation data, mosaic, splits elevation and editing.

### **Theoretical Knowledge**

## **Computer Skills**

ArcGIS Desktop 10x, ARCGIS PRO 2.82, QGIS 3.24.2, ARC GIS SERVER. GeoMedia Desktop 5.2, CorelDraw 2021, MapInfo, AutoCAD2010 Faculty of Engineering Cairo University, AutoCAD Map, CIVIL 3D 2019.

### **GIS Tools**

Map window, Open Jump

### **GIS Open Source**

Erdas Imagine 9.1 (Interpreter, Classifier, Model Maker, Vector) - ENVI 5 .0 Remote Sensing (Image Processing )

### **Remote Sensing Tools**

Autodesk InfraWorks 2025 - Revit for bridge & road Design – CIVIL 3D 2025 - Navisworks 2023 – TBC v 5.9 , Cloud Compare v 2.13 & CoProcess – Copre 2 v 2.7.1 for Data processing of MOBILE MAPPING ( Point clouds ) – PIX4Dmapper v 4.5.6 & AGE Soft v 2.2.0 for Data processing of Drone & Scanner (orthomosaic & PhotoScan)

### **Construction & Survey Tools**

Microsoft Access, DB2.

### **Database**

Google Earth – Stitch Map –Photoshop CS2, Global mapper, Map Source, surfer 13, SAS PLANT v 6.07.07, Adobe Acrobat X Pro v10.0 , SPSS.....X

### **Other Tools**

Lumion 12.5, Sketch Up v8.1, CIVIL 3D, Arc Scene v10, Camtasia 2019, Live Home 3D Pro v4.0, Adobe After Effects v22.4, Adobe Illustrator v26.0, City Engine 202 v1.0, Google Earth Studio.

### **3D Tools**

Personal Skills

- ✓ Ability to work under pressure
- ✓ Ability to learn new technologies quickly
- ✓ Follow the procedures related to the policy of the organization.
- ✓ The ability to coordinate between several organizations to support the business plan.
- ✓ Ability to work individually and as a collaborative team member.
- ✓ Ability to assist in project management and implementation of project objectives.
- ✓ Ability to write reports on project phases during and after force completion.
- ✓ Ability to build project plans and project charter for any projects.
- ✓ The ability to carry out instructions has also been mentioned.
- ✓ The ability to build successful relationships that can help create business.
- ✓ Ability to work with more than one group in most of the works.

Languages Skills

Arabic: NATIVE LANGUAGE

English: GOOD (R&W)