

Esraa atef hamed farag

Geospatial Analyst

Work Experience

GIS Specialist

GeoSolutions Inc. - GIS Specialist with Expertise

Feb 2021 until may 2025 (5 years)

Managed GIS projects and developed spatial analysis tools for system optimization in various sectors.

- * Managed end-to-end GIS projects across diverse sectors (e.g., utilities, environmental monitoring, medical tourism), ensuring timely delivery and alignment with stakeholder requirements

- * geospatial data modeling and visualization to solve sector-specific challenges (e.g., route optimization, resource allocation, risk assessment).

Collaborated with team members to create detailed maps and presentations for stakeholders and management.

- * Designed and implemented geospatial data models(e.g., network datasets, terrain models, suitability maps) to address sector-specific challenges such as: Route Optimization: Developed spatial models to identify optimal delivery routes, reducing transportation costs for Investment plan for the governorate

Conducted field data collection using GPS technology and integrated findings into GIS databases for analysis.

- * Seamlessly integrated field-collected data into centralized GIS databases(e.g., ArcGIS Geodatabase) for:

- Updating asset management systems.
- Creating/editing feature layers for spatial

Create dashboards that help decision makers make decisions quickly and accurately. such as (green hotels in sharm elshikh - camel accidents in government - Bedouin gatherings in the governorate- Bedouin path in government)

creating geodatabases of vital facilities of south Sinai government such as (green hotels - roads - power station - schools -Greetings to the South Sinai Governorate - Investment plan for each year in government)

Provided training and support to new staff on GIS software and best practices for data management.

Analyze all geographic databases and prepare explanatory maps for decision makers.

Contact Info

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Relevant Skills

Spatial Analysis
Proficiency

Data Visualization
Skills

Project
Management
Experience

Education History

faculty of computer and information
systems. Helwan university
Year of Graduation: 2016

Bachelor's Degree

Certificate

Certified instructor from esri north africa in :

ARCGIS pro : Essential workfolws from

Managing geospatial data in ARCGIS

Field data collection and management using ARCGIS

Creating and editing data in ARCGIS pro

Creating story maps with ARCGIS

Creating maps and visualizations with ARCGIS

Sharing GIS content on the web

Geoportal content management

Configuration a base deployment

On the job training