

Salma Hassan Mohamed

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GIS Analysis

Caree Highlights

GIS & Remote Sensing Specialist Holder of a degree in GIS, Remote Sensing, and Surveying from Suez Canal University. Certified in ArcGIS, QGIS, and spatial analysis through intensive training. Experienced in data digitization, precision mapping, and satellite imagery analysis. Adept at developing custom geospatial solutions to optimize workflows and support data-driven decision making. Proficient in geodatabase management and automating GIS processes to enhance efficiency

WORK EXPERIENCE

Seero Engineering Consulting

September 2024 – Present

- Worked on a Utility Infrastructure Project in Dubai, including sanitary drainage modeling and GIS data integration
- Using InfoWorks ICM to support hydraulic modeling and drainage network analysis.
- Quality control to spatial data and attributes
- Collaborate with other departments to support project-specific GIS needs and requirements.
- Editing attribute data.Topology.
- Responsible for creating base maps and cartography. □ Producing reports and geographic maps.
- Responsible for statistical analysis & Spatial Analysis.
- Responsible for creating QS and BOQ.

CAD&GIS Co. Ltd Company

January 2024 - July 2024

- Downloading and processing satellite images.
- Creating infographic diagrams.
- Responsible for GIS software and analysis techniques.
- Perform spatial data management, including data layering, projections, and transformations.
- Topology.
- Responsible for creating base maps and cartography. □ Producing reports and geographic maps.
- Responsible for statistical analysis & Spatial Analysis.

Wallmart service for Navigation

September 2023- January 2024

Data Entry

Freelance Projects:

- Developed a series of maps for a graduation project on "Environmental Problems in Helwan".
- Created an urbanization rate analysis for districts in Jerash Governorate.
- Produced rainfall and temperature distribution maps for Khaybar, Saudi Arabia, using interpolation and generated an urban expansion map via supervised image classification in ArcGIS.
- Constructed a 3D contour map for Mahmoud Pasha in Alexandria through spatial derivation techniques.
- Modeled the geographic reality of the eastern Suez Canal region.
- Designed a website and dashboard for GeoTrack using Web Builder.

Education

SUEZ CANAL UNIVERSITY 2019-2023	FACULTY OF ARTS AND HUMANITIES GEOGRAPHIC INFORMATION SYSTEMS, REMOTE SENSING (Grade:- Very Good) Graduation Project : Geospatial modeling and analysis of fuel stations in Ismailia city Grade: Excellent
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Internship

Information Technology Institute (ITI)	March - July2025
Completed an Intensive Training Program (ITP) in GIS Track at ITI, Banha Branch, focused on full-stack GIS development. Gained hands-on experience in ArcGIS Pro, ArcGIS Online, open-source tools, spatial databases, Python scripting,ArcGIS JavaScript API, web GIS, LiDAR processing, 3D analysis, remote sensing, and GeoAI. The program also improved soft skills such as teamwork and communication through real-world projects and presentations.	

Interpersonal Skills

<input type="checkbox"/> Communication Skills	<input type="checkbox"/> Teamwork.
<input type="checkbox"/> Eager To Learn.	<input type="checkbox"/> Presentation Skills
<input type="checkbox"/> Critical Thinking.	<input type="checkbox"/> Leadership Skills

Technical Skills

<ul style="list-style-type: none">•Arc GIS desktop.•Arc GIS Pro.•QGIS. <input type="checkbox"/> InfoWorks ICM <input type="checkbox"/> AutoCAD.•Civil 3D.•ERDAS Imagine.•Sas plant.•USGS.•Surfer Software.•Adobe Photoshop.•Adobe Illustrator.	
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Activities

YLY-MINISTRY OF YOUTH AND SPORTS Member of Central Training Committee	July 2023- August 2024
YLY-MINISTRY OF YOUTH AND SPORTS Head Social Media Committee	June 2022-June 2023
YLY-MINISTRY OF YOUTH AND SPORTS Leader Graphic Designer	April 2022 - June 2022 June 2021 - June 2022
YLY-MINISTRY OF YOUTH AND SPORTS Member of the Social Media Committee	

Courses

- Surveying training for the Arab contractors.
- Summer training at the Remote Sensing Authority (GIS, Remote Sensing) □ Course followed by Global about Arc desktop. QGIS.
- Course of Arc Pro in Geomatics Academy.
- Crisis management.
- Course on application Arc GIS Online.
- Esri Training Program.
- Training course from Suez Canal University on the uses of Arc desktop.
- Course of arc GIS arc pro in GIS Blogger.
- Online wet utilities in GIS (Udemy).