



My Portfolio
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Ahmed Mohamed Abdel Rahim

GIS Analyst | GIS Cartographer | GIS Solutions Specialist

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Nationality: Egyptian

Military Status: Complete service

Marital Status: Single

Date of Birth: 24 / 09 / 1997

Summary

Results-driven GIS Specialist and Web Developer with over 6 years of experience delivering innovative geospatial solutions and dynamic web applications for government and private sector clients. Highly skilled in collecting, analyzing, and managing spatial data to produce high-quality maps, dashboards, and spatial analyses. Proficient in ArcGIS Pro, ArcGIS Online, and Python scripting for automating GIS workflows, with strong frontend development capabilities using HTML, CSS, JavaScript, Bootstrap, and Tailwind CSS to create responsive, intuitive, and user-friendly websites. Experienced in asset inventory projects, field data collection, and multiuser geodatabase management. Passionate about integrating emerging technologies to optimize geospatial operations and develop impactful web-based solutions.

Education

Cairo University

Bachelor of Arts Department of Geography

Cairo, Egypt

September 2015 – May 2019

University of Sadat City

General Diploma in Education, Faculty of Education

Monufia, Egypt

August 2019 – August 2020

Work Experience

Alqotr Company

GIS Specialist & Cartographer & GIS Solutions Specialist

Riyadh, Saudi Arabia

July /2024 – Present

- Design and produce high-quality maps, thematic cartography, and spatial visualizations.
- Administer the organization's ArcGIS Online platform, managing hosted layers, web maps, dashboards, story maps, and applications.
- Automate routine tasks using Python and ModelBuilder to improve workflow efficiency.
- Perform spatial analysis, geoprocessing, and data management to support planning and decision-making.
- Build and maintain geospatial databases and schemas with a focus on data accuracy and integrity.
- Develop interactive mapping applications and dashboards to visualize spatial data insights.
- Prepare technical reports, spatial summaries, and cartographic deliverables.
- Provide technical support, training, and consultation on GIS applications, web mapping, and data management.

The Technical Secretariat for the Governance of State Assets (TSGSA)

Senior GIS Analyst

Cairo, Egypt

2021 – July /2024

- Project Manager for asset inventory projects, collaborating with government ministries including the **Ministry of Awqaf, Ministry of Planning and Economic Development, Ministry of Trade and Industry, and Ministry of Education and Technical Education.**

- Ensured high-quality deliverables for asset inventory projects.
- Conducted quality control and assurance for geospatial data and products.
- Participated in the inventorying of state assets, lands, and facilities.
- Performed surveying work for state properties using GPS and field data collection techniques.
- Utilized the Egyptian Real Estate Cadastre System for property data management.
- Designed and executed spatial analyses and geoprocessing workflows to address project requirements.

ORASCOM Construction

Cairo, Egypt

Surveyor Assistant

2016 – 2018

- Assisted in surveying works for various construction projects in the new administrative capital, such as **(Mansoura Project, Al Opera Project, and Ministries Council Building Project)**.
- Operated surveying equipment such as level and total station.

GEO House (Prof/ Atef Moatamed Office)

Cairo, Egypt

GIS Specialist

2018 – 2019

Worked on managing and updating GIS datasets, performing spatial analyses, georeferencing maps, acquiring recent satellite imagery, and collecting academic data to support various research projects.

GIS Specialist

2017 – 2021

Freelance

Worked on multiple geospatial projects during that period, including digitizing maps, spatial querying and analysis, spatial statistical analysis, and creating both human and natural maps and geodatabases that serve different objectives.

languages

- Arabic (Native)
- English (Good Working Proficiency)

Skills

Technical Skills

- | | | |
|-----------------------------------|---|----------------|
| • ArcGIS Pro | • ArcGIS Earth | • Python |
| • ArcGIS Online | • AutoCAD | • JavaScript |
| • ArcGIS Experience Builder | • Google Earth Pro | • HTML |
| • ArcGIS Dashboard | • Google Earth Engine | • CSS |
| • ArcGIS Story Maps | • Terra Incognita | • Bootstrap |
| • ArcGIS Vector Tile Style Editor | • SAS Planet | • Tailwind CSS |
| • ArcGIS Survey 123 | • Adobe Photoshop | • VS Code |
| • ArcGIS Quick Capture | • Microsoft Office (Excel, Word, PowerPoint, Access, Outlook) | • PyCharm |
| • ArcGIS Field Maps & Field Apps | | |

Soft Skills

- | | | |
|-------------------|--------------|-----------------|
| • Creativity | • Scheduling | • Multitasking |
| • Problem Solving | • Teamwork | • Self-Learning |
| • Time Management | • Researcher | • Development |

Certificates

- **Frontend Web Development.**
 - Instructor-led Live Online Course, Route Academy-IT-Training Center (2025, Present)
- **Spatial Analysis with ArcGIS Pro. [Certificate](#)**
 - Instructor-led Course, Esri North Africa Training Center – New Cairo (December, 2023)
- **Imagery Analysis in ArcGIS Pro. [Certificate](#)**
 - Instructor-led Course, Esri North Africa Training Center – New Cairo (November, 2023)
- **Working with ArcGIS network Analysis. [Certificate](#)**
 - Instructor-led Course, Esri North Africa Training Center – New Cairo (November, 2023)
- **Deploying and Maintaining a Multiuser Geodatabase. [Certificate](#)**
 - Instructor-led Course, Esri North Africa Training Center – New Cairo (February, 2024)
- **Implementing Versioned Workflows in a Multiuser Geodatabase. [Certificate](#)**
 - Instructor-led Course, Esri North Africa Training Center – New Cairo (February, 2024)
- **Managing Geospatial Data in ArcGIS. [Certificate](#)**
 - Instructor-led Course, Esri North Africa Training Center – New Cairo (September, 2023)
- **Creating and Editing Data in ArcGIS Pro. [Certificate](#)**
 - Instructor-led Course, Esri North Africa Training Center – New Cairo (September, 2023)
- **Field Data Collection and Management Using ArcGIS. [Certificate](#)**
 - Instructor-led Course, Esri North Africa Training Center – New Cairo (October, 2023)
- **Introducing Data reviewer for Data Quality. [Certificate](#)**
 - Instructor-led Course, Esri North Africa Training Center – New Cairo (October, 2023)
- **Creating Maps and Visualizations with ArcGIS. [Certificate](#)**
 - Instructor-led Course, Esri North Africa Training Center – New Cairo (November, 2023)
- **Introduction to Esri Story Maps. [Certificate](#)**
 - Instructor-led Course, Esri North Africa Training Center – New Cairo (October, 2023)
- **ArcGIS Pro: Essential Workflows. [Certificate](#)**
 - Instructor-led Course, Esri North Africa Training Center – New Cairo (September, 2023)
- **Introduction to GIS Using ArcGIS. [Certificate](#)**
 - Instructor-led Course, Esri North Africa Training Center – New Cairo (August, 2023)
- **Cartography. [Certificate](#)**
 - MOOC Course, Esri Training (May, 2024)
- **Going Places with Spatial Analysis. [Certificate](#)**
 - MOOC Course, Esri Training (March, 2024)
- **Python for Everyone. [Certificate](#)**
 - Online Web course, Esri Training (February, 2024)
- **Python Scripting: Modifying Layer Properties. [Certificate](#)**
 - Online Web course, Esri Training (February, 2024)
- **Python Programming Basics. [Certificate](#)**
 - MOOC Course, Mahara Tech, Information Technology Institute Platform (ITI) (March, 2024)
- **ICDL Certificate. [Certificate](#)**
 - Instructor-led Course, Ministry of Communications and Information Technology (March, 2018)