

# Adel Mabruk Alhejaili

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## Professional Summary

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GIS Specialist with practical experience in managing and analyzing spatial data, and executing GIS projects using advanced tools and technologies. Proficient in ArcGIS Pro, AutoCAD, and QGIS for geospatial data processing, aerial and satellite imagery integration, and geodatabase management with high accuracy. Skilled in planning and executing land surveying operations using GPS and total station devices, ensuring precise data collection and quality control. Experienced in producing technical reports, validating datasets, and contributing to the improvement of municipal GIS project efficiency through structured documentation and adherence to professional standards.

## Professional Experience

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### GIS Specialist – Ahmed Farid Ahmed Mostafa Engineering Consultancy | June 2025 – Present | Arar

- Accelerated field surveying and data processing by 25% through workflow optimization and improved data collection methods.
- Conducted surveying operations using total station devices, collected coordinates & performed precise spatial analysis.
- Reduced errors in final mapping outputs by 30% through the implementation of regular quality assurance procedures.
- Utilized AutoCAD, ArcGIS Pro, and QGIS to produce accurate maps that support planning and decision-making.
- Matched cadastral maps with aerial and satellite imagery and corrected errors according to technical standards.
- Prepared periodic technical reports to track progress and data quality, enhancing overall project performance.
- Improved spatial data accuracy for parcel and plan maps by 35% through field auditing and verification.
- Managed and analyzed geodatabases to ensure data accuracy and improve overall project quality.

### Cartographer (Tamheer Program)

#### Ministry of Environment, Water and Agriculture | August 2024 – February 2025 | Medina

- Prepared final project deliverables while ensuring compliance with required technical specifications and standards.
- Reduced map and sketch preparation time by 20% by applying advanced AutoCAD and ArcGIS Pro commands.
- Supported field teams in data collection and analysis, improving the quality of governmental mapping projects.
- Performed surveying tasks using total station devices and satellite systems to ensure high positional accuracy.
- Increased final output quality by 30% through better coordination with field teams and precise data review.
- Created maps and sketches using AutoCAD and ArcGIS Pro in line with geographic and spatial standards.
- Enhanced field data accuracy by 40% through improved GPS data collection and GIS analysis methods.
- Collected and processed field coordinates using Excel and GIS tools to produce reliable spatial datasets.

## Education

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### Bachelor's Degree in Geographic Information Systems & Cartography

Taibah University | Graduated: January 2024 | Medina, Saudi Arabia

## Training Courses

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- **Exploring GIS Maps** | ESRI | 1 Hour | August 2025
- **Core Skills in Geographic Information Systems (GIS) using ArcGIS**
  - *Tamkeen Al-Hadaf Training & Development* | 3 Days (6 Hours) | April 2025
- **Industrial Occupational Health and Safety** | Public Health Academy | 1 Hour | September 2025

## Skills

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### Personal Skills

Teamwork | Analytical Thinking | Time Management | Accuracy & Commitment | Fast Learning | Workplace Adaptability | Working Under Pressure | Communication Skills | Monitoring | Planning & Organization | Deep Learning | Perseverance | Responsibility | Presentations

### Practical Skills

Mapping | Land Surveying | Project Management | Spatial Data Analysis | Aerial Imagery Alignment | Technical Reporting | Database Management | Quality Assurance & Auditing | Field Data Collection | Data Validation | Satellite Imagery Integration | Municipal Platforms Handling | Machine Learning

## Technical Skills

ArcGIS Pro | QGIS | AutoCAD | Google Earth | Microsoft Office Suite | Microsoft Excel | Microsoft Word | Microsoft PowerPoint | Microsoft Outlook | Microsoft Access | Balady Platform | Total Station | RTK GPS | Spatial Analysis Tools

## Professional Memberships

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- **Saudi Council of Engineers – Membership Type:** Specialist | *March 2025*
  - **Field of Membership:** Geographic Information Systems

## Projects

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### **Project: Developing a Simplified ArcGIS Pro Training Guide | February 2025**

- **Organization:** Ministry of Environment, Water and Agriculture – Tamheer Program
- **Role:** Technical Content Developer
- **Description:**
  - Comprehensive educational project aimed at developing a simplified training guide for ArcGIS Pro, designed for trainees in the Tamheer Program. The project focused on explaining core tools and functions in a structured and practical manner, supported by real examples and visual illustrations. The content was tailored to help beginners understand how to apply ArcGIS Pro in daily mapping and spatial analysis tasks. The project improved training efficiency, enhanced trainees' technical skills, and reduced fieldwork errors through better software understanding.

## Languages

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- **English:** Advanced | **Arabic:** Native Language