Ahmed Alaa Eid

Surveying Engineer | GIS Specialist | Remote Sensing Expert

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Personal Information

- **Date of Birth:** March 18, 2001
- **Nationality:** Egyptian
- **Marital Status:** Single

Education

2019 – 2023   **Faculty of Arts** , *Tanta University*, Egypt

Bachelor of Arts in Geomatics (Surveying, Mapping, GIS, and Remote Sensing)

Overall Grade : *Very Good with High Honors*

Graduation Project:

o **Surveying project in** Ras Mohammed Reserve at the Hidden Bay in Sharm El Sheikh

- **Topographic Survey – Ras Mohammed, Sharm El-Sheikh**
  Conducted field surveying using Total Station and produced accurate maps for environmental documentation.
- **Remote Sensing Analysis – Ras Mohammed**
  Analyzed and updated spatial features using satellite imagery with ENVI and Google Earth Pro.
- **Groundwater Mapping – North Sinai**
  Used GIS to analyze geological layers and identify optimal groundwater well locations.
- **Urban Sprawl Study (1995–2020)**
  Assessed land use changes and urban expansion impacts on agricultural areas using remote sensing techniques.

Career Objective

I am a motivated and detail-oriented Geomatics Engineer with solid experience in land surveying, GIS, and remote sensing. I operate advanced surveying tools (Total Station, GPS, Auto Level) and use leading software like AutoCAD, ArcGIS Pro, QGIS, and ENVI to deliver accurate spatial data and maps. I've contributed to major infrastructure projects and specialize in satellite image analysis, spatial data processing, and geospatial reporting. Passionate about continuous learning and adopting innovative technologie

`Professional Experience

o **2021 – 2023**   **Hassan Allam Company**

- **Project:** Suez Road – Al Jafra – Triple Treatment Plant
- **Position: Assistant Surveyor** (2021–2022) , **promoted to Surveyor** (2022–2023)

o Carried out surveying tasks using **Total Station** and **Leveling Instruments** based on engineering plans.

o Defined spatial phenomena locations.

o Produced detailed field reports and topographic maps using **AutoCAD** and **Civil 3D**.

o Gained hands-on experience in modern surveying techniques and large-scale project implementation.

o **2023 – 2024**   **Hayah Karima**

- **Project:** "Decent Life" Initiative
- **Position:** Volunteer Surveyor

o I Participated in surveying tasks for Youth Centers, Local Units, and Health Sectors

o I Contributed to accurate data collection and mapping for the "Hayah Karima" initiative

Courses and Certifications

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o **December 2024 - March 2025**

Comprehensive Surveying Course – SQ Academy
(Supervised by Eng. Mohamed Saeed & Eng. Bassem Saeed)

- Mastered surveying instruments (Total Station and Level) from basics to advanced techniques.
- Developed strong skills in interpreting engineering drawings and executing technical office work using AutoCAD and Civil 3D.

o **At January 22, 2025/March 5, 2025**

ESRI GIS Certifications

- Fundamentals of Geographic Information Systems (GIS)
- Solving Problems with GIS
- ArcGIS Pro Basics
- Spatial Analysis and Online Mapping

o **2020 - 2022**

Applied Remote Sensing Training (ARSET) – NASA & NOAA

- Specialized in processing and analyzing satellite imagery (radar, multispectral, high-resolution).
- Proficient in using ENVI and ArcGIS Pro for geospatial data analysis.

Skills

Survey Equipment

- Total Station – Auto Level – GPS – Theodolite

GIS & Surveying Software

- ArcGIS Pro – ArcMap – ArcGIS Online – QGIS – Google Earth
- ENVI – ERDAS Imagine – ER Mapper – Sokkia Link – Surfer – GNSS Solutions

Spatial Data Analysis

- Spatial, Temporal, and Geostatistical Analysis
- Remote Sensing Image Analysis, Spectral Signatures, Terrain and Surface Analysis
- Regression, Correlation, Data Mining, Multivariate Analysis, Accuracy Assessment, Classification

Design & Engineering Software

- AutoCAD – Civil 3D – Revit
- Microsoft Word, Excel, PowerPoint

Programming & Web Development (Front-End)

- HTML – CSS – JavaScript
- Python (for spatial data and image analysis)

Soft Skills

- Time Management
- Leadership
- Teamwork
- Decision Making

Languages

- **Arabic:** Native
- **English:** Intermediate

Additional Information

- Passionate about continuous learning and adopting modern technologies.
- Committed to delivering high-quality, efficient, and accurate surveying and geospatial solutions.