

AHMED EMAM

Geomatics Expert | GIS Manager

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SUMMARY

A seasoned geomatics expert with 14 years of experience. I possess strong team leadership and project management skills. My technical expertise revolves around the comprehensive use of a suite of geomatics technologies, including mapping, surveying, GIS, and remote sensing. I seek to leverage my leadership skills and comprehensive technical expertise to drive progress and achieve strategic objectives in your upcoming projects.

EXPERIENCE

GIS MANAGER, AZZAM AL-SHAREEF CO., MAKKAH, SA

2020 - PRESENT

- Supervising the management of Spatial Data Infrastructure (SDI) for a group of projects affiliated with the Makkah Municipality, Jeddah Municipality, Taif Municipality, and the Royal Commission.
- Leading the work team, defining tasks and responsibilities, and providing training and support.
- Developing a work plan for each project and coordinating with the Project Management Office (PMO) and other departments.
- Establishing and managing spatial databases appropriate to the scope of work for each project.
- Processing, Modeling, and Updating spatial data periodically.
- Performing spatial and statistical data analysis.
- Developing tools used to develop and automate work and manage daily tasks.
- Complying with accuracy, quality, and correct delivery requirements.
- Providing support and advice to stakeholders and project managers for decision-making.
- Creating maps, reports, and summaries and sharing them with relevant stakeholders.

GIS PROJECT MANAGER, AZZAM AL-SHAREEF CO., MAKKAH, SA

2017 - 2020

- Manage Naming, Numbering, and Guidance Project in Al Mashaaer Al Mugaddassah, affiliated with the Makkah Region Development Authority.
- Develop project plan, project schedule, and contingency plans during Hajj season.
- Assigning roles and responsibilities to the work team.
- Preparing monthly Invoices and reports.
- Developing a spatial database appropriate to the project assets.
- Collecting spatial and descriptive data for the project assets through field surveys using spatial data collection applications and by converting and processing old project plans.
- Processing and Modeling spatial data and applying quality requirements.
- Create maps and guidebooks to guide pilgrims and Hajj supervisors.
- Supervise the maintenance of signage and update maps and guidance messages.

GEOMATICS SPECIALIST, AZZAM AL-SHAREEF CO., MAKKAH, SA

2014 - 2017

- Surveyor and GIS specialist in several maintenance and infrastructure projects for the Makkah Municipality and the Makkah Region Development Authority.
- Performing field and office surveying.
- Performing quantity surveying.
- Preparing sketches and designs.
- Managing spatial data using GIS software and tools.

SURVEYOR, INFRACON CO., 6TH OF OCTOBER CITY, EGYPT

2012 - 2014

- Surveyor for the infrastructure network implementation project in SODIC West City and the First Industrial Zone.
- Performing field and office surveying.
- Performing quantity surveying.
- Supervising implementation processes.

SURVEYOR, HASSAN ALLAM CO., TALKHA, EGYPT

2011 - 2012

- Surveyor under training for the Talkha Bridge construction project over the Nile.

SKILLS & ABILITIES

PROJECT MANAGEMENT SKILLS

Planning | Scheduling | Leadership | Communication | Risk Management | Quality Management | Agile Methodology | Scrum Framework | Oracle Primavera | Power pi | Microsoft Office.

TECHNICAL SKILLS

Spatial data (Management, Collection, Processing, Modeling, Analysis, and Quality control) | Cartography | Integration GIS & BIM | GIS Tool Developing | Web Map Developing | ArcGIS Pro | ArcMap | ArcGIS Online | Experience Builder | Story Maps | Dashboards | Field Maps | Survey123 | Quick Capture | ArcGIS Drone2Map | QGIS | Global Mapper | Google Earth | SQL | Python | ArcGIS Maps SDK for JavaScript | HTML | CSS | AutoCAD | Civil 3D | GPS | Total Station.

LANGUAGE SKILLS

Arabic (Excellent) | English (Good).

EDUCATION

TANTA UNIVERSITY, BACHELOR OF ARTS

2011

Major: Geography | Minor: Maps and Surveying.

LICENSES

- **PMP**, Project Management Institute (PMI), 3273884 2022
- **ICDL**, UNESCO, UN10140917 2012

CERTIFIED COURSES

- Transform AEC Projects with GIS and BIM, *Esri*. 2022
- ArcGIS Survey123: Creating and Publishing Surveys, *Esri*. 2023
- ArcGIS AppStudio Basics, *Esri*. 2022
- ArcGIS Pro Basics, *Esri*. 2022
- Scrum Fundamentals, *VMEdu*. 2022
- Do-It-Yourself Geo Apps, *Esri*. 2021
- Cartography, *Esri*. 2020
- Python Basics, *Mahara Tech*. 2020
- GIS Data Formats, Design and Quality, *UC DAVIS, Coursera*. 2019
- Geospatial and Environmental Analysis, *UC DAVIS, Coursera*. 2019
- Going Places with Spatial Analysis, *Esri*. 2019
- Getting Started with GIS, *Esri*. 2018
- Fundamentals of GIS, *UC DAVIS, Coursera*. 2018
- Experience Certificate in Modern Hardware and Software Surveying, *Egyptian Survey Association and Tanta University*. 2011
- AutoCAD 2D, *AMERICAN SYSTEMS REGISTRAR, 602924*. 2010

HONORS & AWARDS

- **A certificate of thanks and appreciation** 2016
Makkah Al Mukaramah Region Development Authority
For participating in the success of the 1439 Hajj season.
- **A certificate of thanks and appreciation** 2018
Azzam Al-Sharif Company
For participating in the success of a group of projects.

ADDITIONAL QUALIFICATIONS

- **Member of the Saudi Council of Engineers (SCE) with membership number 347579.**
- **Saudi private driving license.**