# MOHAMED MOHSEN

## SENIOR GIS AND REMOTE SENSING SPECIALIST

Motivated and results-oriented professional in Geographic Information Science (GIS) with 10+ years experience in geospatial and remote sensing analysis. Expertise in advanced satellite imaging processing, land cover mapping, time-series analysis, and land use and land cover change (LULC) analysis. Eager to occupy a Project-Manager position to help in Position Assessment and Decision-making Support.

## EXPERIENCE

### 2024 - Present  (Remote Sensing Team Leader)

(Edge-pro Company for Information System)

### 2017 - 2023  (GIS and Remote Sensing Specialist)

(Egyptian Ministry of Defense [MOD] l New Cairo, Egypt)

- Professional in EO/SAR Imagery Interpretation and Spatial Data Analysis with Reporting focusing on manual/automatic Object and Change Detection Processes.
- Designs, creates, updates, and maintains geographic data and maps, for the sake of Crisis Management, Coverage of Current Events, Intelligence Cooperation, Decision-Making Support, Risk Assessment, and Special Military and Political Purposes.
- Experienced with managing multiple databases and working on multiple projects simultaneously.
- Transition quickly between projects based on tight schedule deadlines.
- Perform peer-to-peer quality review and on time delivery reports.
- Gain understanding of the compliance reporting requirements of respective regulatory agency requiring submittals.
- Participates in system integration and conversion projects with efforts that lead on time, on budget, on schedule and desired quality outcomes for projects.
- Manages, maintains, researches, designs, and coordinates the GIS technology and mapping system and shape files.
- Assist in data management, data cleaning, data editing in ArcGIS environment.

### 2014 - 2017  (Image Processing Engineer)

(Egyptian Ministry of Defense [MOD] l New Cairo, Egypt)

- Execution of algorithms and processing modules for implementation in image acquisition systems.
- Realization of R & D development proposals taking into account ideas proposed internally and externally to the company.
- Optimize pipeline parameters to strive for excellent image quality.
- Understanding of colorimetry, image sensing technology, and digital video formats.
- Work as a member of a global engineering team providing software/test support for development of vision based sensor systems.
- Understand and support the establishment of optical test specifications between engineering, manufacturing, suppliers, and customers.

### 2012 - 2014  Radar Engineer

(Egyptian Ministry of Defense [MOD] l Cairo, Egypt)

- Perform engineering tasks using computer-aided engineering methods and design software.
- Handling electronic equipment with a higher knowledge of digital signal processing techniques.
- Maintaining and evaluating the quality of Radar devices

## CERTIFICATIONS

- ICDL from Military Technical Collage on 31 Jan 2012
- Space and Satellite Technology Transfer Program RSC ENERGIA, Russia, 2014
- Basic Satellite Imagery Interpretation & Analysis "Space IMAGING", Dubai , 2016
- ArcGIS 3: Performing Analysis "Esri NeA",  Egypt, 2016
- Working with 3D GIS Using ArcGIS "Esri NeA", Egypt, 2016
- Introduction to ArcGIS Pro for GIS Professionals "Esri NeA", Egypt, 2016
- ArcGIS for Server: Sharing GIS Content on the Web "Esri NeA", Egypt, 2016
- ArcGIS for Server: Site Configuration and Administration "Esri NeA", Egypt, 2016
- Portal for ArcGIS: User Workflows "Esri NeA", Egypt, 2016
- Developing Web Apps with ArcGIS API for JavaScript "Esri NeA", Egypt, 2016
- Initialization Training organized by Airbus Defense and Space in Toulouse, France, 2017
- Preliminary Processing, Forwarding Information Calculation, Operational Quality Control Workstation Operate RSC ENERGIA, Russia, 2018
- Preliminary and Primary Processing, Information Cartographic Processing, Information Photogrammetric Processing RSC ENERGIA, Russia, 2018
- NVX Design and Application "CRESTRON ", Dubai, 2018
- Digital Media NVX Network "CRESTRON ", Dubai, 2018
- Satellite Tasking, Ground Control and Image Processing by "China Great Wall Industry Corporation", China, 2019

## PERSONAL INFORMAION

Birth Date          : 10 Oct 1990
Marital Status :Married
Nationalty        :Egyptian
Gendar            :male

## CONTACT

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- khalilooo4949@gmail.com
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- +201090566995

## EDUCATION

2012
Bachelor of Engineering |
Communication
Millitry Technical Collage, Cairo

## SKILLS

- Microsoft Office
- ERDAS IMAGINE
- ESRI ArcGIS Suit
- Google Earth Pro
- Snap Geoprocessing Tool
- QGIS and Global Mapper
- Project Management
- DEM Generation
- Spatial Data
- Surveying and Mapping Apps
- Dealing with the customer
- works seriously
- Enterprise Resource Planning
- Staff and User Training
- Process Improvement

## LANGUAGE

- English (Good)
- Arabic (Native)