

Mohamed Adel Mohamed

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[LinkedIn](#) | Portfolio: <https://gis-bim-portfolio-final.vercel.app/>

SUMMARY

Detail-oriented GIS & BIM Specialist with a strong background in surveying, 3D modeling, and spatial data analysis. Adept at integrating BIM models into GIS workflows for enhanced geospatial insights and visualization. Experienced in using tools like ArcGIS Pro, ArcGIS Online, AutoCAD, Civil 3D, and ArcGIS GeoBIM. Skilled at producing dynamic web scenes, spatial dashboards, and georeferenced BIM models for urban and infrastructure projects.

EDUCATION

Bachelor of Arts in Surveying & GIS (June 2024)
Zagazig University — *Grade: Very Good*

TECHNICAL SKILLS

GIS

- ArcGIS Pro, ArcGIS Online (GeoBIM), QGIS
- Spatial analysis, digitizing, and cartographic design
- Hydrology analysis and network analysis for infrastructure and environmental planning
- GIS & BIM integration for improved project coordination and data interoperability

Remote Sensing

- Satellite imagery interpretation
- Data acquisition and classification techniques

Surveying

- Precision leveling, Total Station operation
- Field data collection and site assessments

CAD & Modeling

- AutoCAD, Civil 3D (grading, drainage, road design)
- Surfer (contour maps, surface modeling)
- SketchUp (3D modeling and visualization)

Data & Programming

- Data management and documentation (Excel)
 - Basic knowledge of HTML and CSS
 - Dashboard creation and data visualization
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CERTIFICATIONS

- GIS and Remote Sensing Course (July 2022 – July 2023)
- English Course (Berlitz & Cambridge Curricula, Feb–May 2023)
- QGIS 3 Desktop – FOSS4g Stack (April 2023)
- ArcGIS Online Basics – ESRI (April 2023)

PROFESSIONAL EXPERIENCE

GIS Data QC – Freelance

March 2025 – May 2025

- Conducted quality control of GIS datasets, ensuring accuracy and consistency across multiple layers
- Verified attribute data, topological integrity, and spatial alignments in accordance with project standards
- Used ArcGIS Pro to validate and clean large geospatial datasets for infrastructure and land use
- Collaborated remotely with project teams to report findings and deliver quality-checked outputs

GIS Specialist – AJC (Abdul Rahman Jazzar)

January 2025 – February 2025

- Digitized transportation routes and vegetation layers for infrastructure and environmental planning
- Analyzed spatial attributes for agriculture and sustainability projects
- Collaborated with teams to ensure data accuracy and meet project deadlines

GIS Analyst Intern – Immortal Surveying

July 2022 – July 2023

Tasks:

- Sewer Network Analysis – Upper East Side, NY
- Route Network Analysis – Al-Rehab City
- Water Network Analysis – Al-Banafsaj3 District
- Surface & Hydrological Analysis – Al-Tur Area
- Topographic Map Georeferencing – Al-Tur City
- Highway Network Symbolization – Zagazig City
- Story Map & Dashboard Projects – Malaysia and USA

Trainee Surveyor – Immortal Surveying

October 2023 – December 2023

- Executed leveling and Total Station surveys for construction sites
 - Analyzed survey data and documentation using Excel
 - Produced engineering drawings in AutoCAD and Civil 3D
 - Created contour maps and 3D terrain models using Surfer
 - Designed 3D models in SketchUp for visual planning and presentations
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PERSONAL INFORMATION

- **Date of Birth:** 08/07/2001
 - **Military Status:** Exempted
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LANGUAGES

- Arabic: Native
- English: Fluent