Manar Elsebaei Amin Galila

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EDUCATION

Zagazig University, Faculty of Arts   **Zagazig , Egypt**

Bachelor Degree in Geographic Information Systems (GIS) and Remote   *Graduation Date: Jul*
Sensing - Grade :Good   *2024*

WORK EXPERIENCE

Freelancing   **Remote**

GIS Analyst   *Jan 2025 - Feb 2025*

- Project: Spatial Analysis for Optimal **Restaurant Location in Hanover, Germany**
- Determined the best location for a new Egyptian restaurant (now operating under the name Pyramids)
- Utilized population density layers to assess potential customer reach and identify high-demand zones.
- Performed competitor proximity analysis using point buffer techniques
- Defined an optimized delivery zone based on service Area
- The project successfully resulted in the launch of the restaurant. Limmerstraße 1, 30451 Hannover , Germany

INTERNSHIPS

Information Technology Institute (ITI - MCIT)   **Banha, Egypt**

GIS Trainee   *Mar 2025 - Jul 2025*

- Initiative by the Egyptian Ministry of Communications and Information Technology
- Completed an intensive 4-month program covering **GIS, Remote Sensing, and GeoAI**.
- Gained hands-on experience with **ArcGIS Pro, ArcGIS Enterprise (Server, Online, Portal), QGIS, and ERDAS Imagine**.
- Applied **Python** and **JavaScript (ArcGIS API)** to develop automation scripts and web-based GIS tools.
- Delivered practical projects in **site selection, spatial/network analysis, and data visualization** with real datasets.
- Enhanced skills in integrating geospatial data for **decision support and field operations**.

TRAINING

Edge Pro for Information Systems   **Fifth Settlement, Egypt**

Remote Sensing Trainee   *May 2025 - May 2025*

- Completed a comprehensive training course on M.App Institute (ITI)
- Enterprise and ERDAS IMAGINE was part of my Information Technology internship in GIS
- Learned the fundamentals of remote sensing, including change detection, classification, and image analysis

PROJECT EXPERIENCE

Graduation Project – Zagazig University   **Zagazig , Egypt**

Grade : Very Good   *Feb 2024 - Jun 2024*

- **(Spatial Modeling of Emergency Situations on Zamalek Island Using GIS)**
- Analyzed and installed shapefiles and road layers from BBBike website to identify 5 strategically located fire stations and 3 hospitals within Zamalek, optimizing emergency response times by 20%
- Conducted network analysis using Google Earth Pro, enhancing emergency services deployment efficiency by 15%
- Collaborated with team members to ensure topological integrity of GIS data, implementing best practices to eliminate intersecting roles and dangles, leading to a seamless story map created on ArcGIS Online that received positive feedback from stakeholders.

Grduation Project – ITI (GIS Code Camp)   *Mar 2025 - Jul 2025*

- Led the development of a GIS-based web platform, successfully creating a functional local host prototype segmented into five thematic sectors, enabling stakeholders to visualize spatial data across education, agriculture, investment, tourism, and government services with 100% sector integration.
- Conducted comprehensive spatial analysis of educational facilities in Qalyubia, identifying 15 underserved areas and proposing 20 new facility locations that could potentially increase access to education by 35%, thereby informing strategic infrastructure investments.
- Engineered network analyses to optimize emergency response routes from educational institutions to critical services such as hospitals and fire stations, reducing average travel times by up to 25 minutes and enhancing overall safety response efficiency for over 300 schools and universities.

SKILLS

- **Technical**: GIS software: ArcGIS Pro - Arc Online - Q GIS - Google Earth Pro -ERDAS IMAGINE - Envi
- Analysis Techniques: GEO AI - Spatial analysis- Network Analysis - Digitizing - Utility
- Programming: Html - CSS3 - js - python
- Microsoft office
- **Interpersonal skills:** Team work - Problem solving - Commuincation

LANGUAGE SKILLS

- Mother tongue(s): Arabic
- Other language(s): English (B2) - French (A2)

COURSES

- **Going Places with Spatial Analysis – ESRI Academy MOOC (6 weeks)**, Completed on March 6, 2025 Gained foundational knowledge in spatial analysis and real-world GIS problem solving.
- **Make an Impact with Modern Geo Apps – ESRI Academy MOOC (4 weeks)**, Completed on May 1, 2025 Learned how to build geo-enabled applications using ArcGIS platforms.

- **GIS for Climate Action – ESRI Academy MOOC (6 weeks)**, Completed on April 5, 2025
  Explored how GIS can support sustainable development and climate resilience initiatives.
- **English for IT 1 – CISCO ,** Completed on Aug,2024

CONFERENCES

- **The 4th edition of EduTech Fair and Forum 2025**
- [19 Feb 2025 – 20 Feb 2025] Royal Maxim Palace Kempinski - Cairo, Egypt
- Attended sessions on advancements in technical and vocational education, digital transformation in learning, and emerging trends in sustainability and green economy within the TVET sector