

SARAH AMR EL-SAWY

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A Recent graduate from the Information Technology Institute (ITI) with a bachelor's degree in urban and regional planning, currently employed as an expert assistant in GIS (Geographic Information System). Demonstrating expertise in analytics, encompassing both data and GIS, I have hands-on experience with various geospatial technologies, including ESRI products, GIS open source, and proficiency in web development languages. Currently advancing my skills in data science through the ALX program in collaboration with Explore AI, I am seeking an opportunity in a reputable company to apply, integrate, and enhance my analytical capabilities across these domains, while also gaining exposure to real-time projects and further development

EDUCATION

B.Sc. Urban and Regional Planning, Urban Planning Department	Sep.2017 – Jun.2022
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- Faculty of Urban and Regional Planning, Cairo University, Egypt.
- Graduation Project: Detailed Planning of the Industrial Area of Girza.

WORK EXPERIENCE

Expert Assistant as GIS Analyst General Authority of Urban Planning At the Ministry of Housing, Utilities, and Urban Communities	Oct. 2023 – Current
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- Expertly designing maps to enhance spatial data understanding and support informed decision-making.
- Developing comprehensive Excel sheets and Power BI reports for data analysis and presentation, contributing to streamlined decision processes within the organization.

INTERNSHIP AND CERTIFICATES

Intern / Data Science Course ALX AFRICA – EXPLORE AI	Jun.2023– Current
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- Mastering key skills in spreadsheet usage, statistical analysis, data modelling, SQL-based database management, Power BI data visualization, Python programming, and cloud computing.
- Applying learned skills to real-world scenarios, demonstrating a well-rounded expertise in the field.

Intern / Intensive Code Camp Information Technology Institute	March. 2023 – Jun.2023
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- **Track:** Geographic Information System (GIS).
- **Graduation Project:** Documentation of Heritage Buildings In Egypt.
- Developed tools for querying, analyzing, and mapping data to support spatial decision-making.
- Acquired expertise in commercial (ESRI Package, ArcGIS) and open-source (QGIS, ERDAS Imagine) GIS packages.
- Applied cutting-edge technologies, including Python programming and client-side tools, in the development of geospatial solutions.

Summer Intern / Training Course
Copernicus Marine Earth Observation

Sep. 2021 – Oct. 2021

- Trained on processing methods applied to Copernicus Sentinel - 1,2,3 instruments (and similar sensors) to derive the marine products.
- SNAP SeaDAS & cloud computing (wekeo).

Summer Intern / Architecture Engineer
Capital Group

Jul. 2021 – Sep. 2021

- Revised architectural drawings to ensure that no conflicts or gaps exist and undertake the creation and plotting of technical designs (including measurements, levels, and dimensions).
- Architecture presentation of a new housing building in New Heliopolis CITY.

Summer Intern / GIS summer internship
EDGE Pro for Information Systems

Aug. 2021 – Sep. 2021

- GIS structure, science concepts.
- Database structure.
- Erdas Imagine introduction.

Summer Intern / Interior Designer
Ahmed Fouda Architecture

Jun. 2019 – Aug. 2019

- Trained to prepare all shop drawings needed for execution of onsite and offsite works.

TECHNICAL SKILLS

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| • ESRI ArcGIS pro | • Spreadsheets | • HTML, CSS |
| • GIS Open source (QGIS) | • SQL | • Python (OOP, ArcPy, PyQGIS) |
| • ArcGIS Enterprise – ArcGIS online | • NOSQL | • GitHub |
| • AutoCAD | • Power BI | • Adobe Products |

INTERPERSONAL SKILLS

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| • Communication skills | • Problem-solving |
| • Details-oriented person | • Analytical thinking |
| • Time management | • Adaptability |
| • Team player | • Planning and management duties |

LANGUAGES

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| • Arabic (Mother Tongue) | • English (Advanced) |
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References

Available upon request
