







Sajid Hossam

GIS Specialist

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PROFILE

Motivated and adaptable professional with a background in Geomatics and GIS, now transitioning into data analysis. Skilled in Python, data scraping, and data processing, with hands-on experience in tools like ArcMap. Strong analytical thinker with a keen interest in uncovering insights through data. Proven ability to work effectively in team environments, manage projects, and communicate complex ideas clearly. Passionate about leveraging data to drive meaningful impact, with a solid foundation in research, problem-solving, and a continuous learning mindset.

EDUCATION

Bachelor of Arts, Department of Geomatics & Artificial Intelligence, 2023 – 2027 | Ismailia, Egypt
Suez Canal University

- **Core Focus:** GIS (ArcGIS Pro, ArcMap), Remote Sensing (ERDAS Imagine, NDVI), Data Management, Cartography
- **Projects:** Designed **15+ thematic maps** using ArcGIS Pro to support urban planning initiatives, including flood risk zoning and infrastructure optimization.

COURSES

GIS For Climate Action, ESRI 2025
his six-week course focused on using GIS to address climate challenges, covering key areas such as Climate Change Indicators & Risks, Adaptive Planning, Data Visualization

Going Places With Spatial Analysis, ESRI 2025
MOOC presented from ESRI Training

Database Fundamentals, Information Technology Institution (ITI) 2025
solid foundation in database design and SQL — including creating ER diagrams, applying normalization techniques, writing basic queries, and building relational databases from logical designs.

Fundamentals of Remote Sensing, Mahmoud Othman Center 2024
Processed *multispectral imagery* and *LiDAR data* in *ERDAS Imagine* for land-use classification (NDVI analysis) and environmental monitoring.

Essentials of the leveling instrument, Mahmoud Othman Center 2024
Mastered **differential leveling** techniques using automatic levels to measure elevation changes with millimeter precision.

Artificial Intelligence Career Essentials, ALX 2024
ALX's AI Career Essentials (AiCE) is a 6-week program designed to equip professionals with AI literacy and practical skills, enhancing their career prospects in today's digital workforce. The course integrates technical knowledge with professional development, covering topics such as AI tools, communication, teamwork, and leadership.

Data Analysis, Creativa Innovation Hub 2025
Completed a hands-on Data Analysis course at Creativa Innovation Hub, focusing on Python, Excel, Pandas, and API integration. Accomplished several projects such as world cities analysis, delivering insights, and answering stakeholder-driven questions based on real-world data.

PROJECTS

World Cities Analysis

Conducted an in-depth analysis of global city data to identify trends in population, density, and growth patterns. Utilized Python and Pandas for data cleaning, transformation, and exploratory analysis. Delivered insights through visualizations and statistical summaries, answering stakeholder questions such as:

- What are the most densely populated cities worldwide?
- Which countries have the most urban centers over 1 million residents?
- How do city populations compare across continents?

This project demonstrated the ability to handle real-world datasets, extract meaningful insights, and present findings in a clear and data-driven format.

News App, Flutter

Developed a cross-platform news app using Flutter that aggregates articles from multiple sources through public APIs. Designed an intuitive UI with a focus on user experience, allowing users to browse news by category and read articles in real-time. Integrated API calls to fetch the latest news, displaying it dynamically in a sleek, responsive layout. Utilized state management and Flutter's widget-based framework for seamless navigation and smooth performance across devices.

Sharkia Governorate Mapping, Cartography

Executed a project using GIS tools to map and analyze data for Sharkia Governorate. Utilized ArcGIS to analyze geographic data and accurately map the governorate's boundaries, along with key features such as cities, roads, and service networks. The project aimed to provide a precise map to support urban planning, sustainable development, and decision-making in areas like urban growth and resource management.

Resume Website, Personal Project

Developed a one-page, dark-themed resume website to showcase my skills, education, projects, and contact information. The website was designed using HTML and CSS, with a focus on clean, modern design and user-friendly navigation. It serves as an interactive digital portfolio, offering a responsive and visually appealing presentation of my professional background and accomplishments.

ORGANISATIONS

YLY | Minstry Of Youth And Sports, HR Member 2024 – present | ismailia, Egypt

- Spearheaded the **Prime Minister-endorsed 5in1 National Event** (5,000+ attendees), managing logistics, sponsorships, and media coverage.
- Boosted volunteer recruitment efficiency by **20%** for 10+ national youth programs via streamlined workflows.
- Collaborated with **Dr. Ashraf Sobhi, Minister of Youth**, to align events with national development goals.

Google Developers Group, Organizer 2025 – present

- Actively participated in GDG events and workshops focused on technology, development, and innovation. Engaged with a community of developers to learn, network, and stay updated on the latest tools and trends in the tech ecosystem.

SKILLS

ArcGIS Suite | Microsoft Office | Python | Erdas Imagine | Data Visualization | Communication | Team Work

LANGUAGES

English — Fluent **Arabic** — Native/Bilingual