HUSSIEN MOHAMED SENPLE
Geomatics Engineer

in Hussien Mohamed   ✉ hussensenple@gmail.com   📞 01097043604   📍 Cairo, Egypt

PROFESSIONAL SUMMARY

- Fresh Geomatics Engineering graduate from Shoubra Faculty of Engineering, skilled in GIS & Passionate about Geospatial Data & Data Analysis, and I'm always interested in improving myself. My technical skills, combined with meticulous attention to detail, ensure the delivery of precise and efficient engineering solutions for complex projects.

EDUCATION

- Bachelor's degree in surveying and Geomatics Engineering (Shoubra Faculty of Engineering) **(Oct 2019 – Jun 2025)**
- General Grade: GOOD (B)
- Graduation Project : Excellent

EXPERIENCE

- Internship at Esri North Africa **(Jul 2023 – Aug 2023)**
- Internship at Esri North Africa **(Jul 2024 – Aug 2024)**
- 3 days-training at Esri North Africa (ArcGIS Water Utility Network: Using & Configuring)
- Graduation Project discussion at Esri North Africa **(Jul 2025)**

COURSES

- Fundamentals of GIS – UC DAVIS **(Jul 2024)**
- Foundations: Data, Data, Everywhere – Google **(Feb 2025)**
- English Course – 4Level1 **(Jun 2024 – Feb 2025)**
- ArcGIS Pro – Esri
- ArcGIS Online – Esri
- Database Fundamentals – Mahara-tech – ITI
- Python Programming Basics – Mahara-tech – ITI
- Familiar with Python in GIS - Esri
- Several training MOOCs – Esri
- Data QA & QC – Esri
  - ➢ **View All Certificates**

PROJECTS

- Cadastral map using total station of NRIAG (National Research Institute of Astronomy and Geophysics)
- Topographic map using total station , GPS of NRIAG
- Longitudinal and Grid levelling using ordinary level of NRIAG
- Created an Application for Compound El Narges, Using ArcGIS Pro, Experience Builder from ArcGIS Online, which contains several useful widgets
- Site Suitability for Wind Farms in Egypt using GIS
- Developed a python tool using ArcPy in ArcGIS Pro to automate and 8-step hydrology workflow into a single script (90 Lines), reducing processing time by 70%
- Developed a python script to calculate GPS Week, Day and time when entering a specific date
- Developed a timer using python to calculate GPS Week, Day and time in seconds according to the current Date and Time
  - ➢ **View All Projects**

SKILLS

- **Technical skills:**
  - **ArcGIS Pro** : Utility Network – Python – Suitability Modeler – Digitizing – Layout – Attribute Rules – Spatial Analysis – Network Analysis – 3D Analysis – Space-Time Analysis – Topology .
  - **ArcGIS Online :** Experience Builder – Dashboard – Storymaps – Webapp Builder – Instant Apps.
  - **Microsoft Office :** Word – Excel – PowerPoint
  - **Autocad**
  - **Surfer**
  - **Google Earth Pro**

- **Programming**: Python, SQL Server, ArcPy

- **Survey Equipment**: Total Station, Ordinary Level, GPS

- **Soft Skills**: Presentation, Time Management, Communication, Leadership, Organization, Adaptability, Teamwork, Problem Solving, Emotional intelligence.

LANGUAGE

- **Arabic**: (Mother Language)
- **English**: (C1) Excellent (Spoken and Written)