

Hassan Khalid Alghamdi

Phone: +966 54 807 0355

Email : AlghamdiHassan0799@gmail.com

Education

2019 - 2025

Bachelor of Science in Geomatics King Abdulaziz University – Jeddah, Saudi Arabia
Areas of focus: GIS, Surveying, Remote Sensing, Photogrammetry.

Experience

06/2024 - 08/2024

Saudi Electricity Company - Jeddah - Saudi Arabia

Cooperative Training - Engineering Drawing Department.

- Worked on ArcGIS using layers of Jeddah districts and power networks to connect medium-voltage substations to low-voltage grids, enabling accurate spatial planning for customer service delivery.
- Digitizing a scanned map of a Jeddah neighborhood using ArcGIS to identify and classify facilities (mosques, schools, parks), number land parcels, and document the data in Excel for power demand estimation and network planning.

06/2023 - 08/2023

King Abdulaziz University Projects Agency - Jeddah - Saudi Arabia

Cooperative Training – Interior Mapping of University Facilities.

- Converting AutoCAD floor plans of the Student Affairs building to ArcGIS Pro, cleaning and digitizing interior details, and preparing a layout for map presentation.
- Creating a geodatabase and organizing elements within Feature Classes for display on an interactive map.
- Using ArcGIS Online to design a web map and a dashboard for visualizing spatial statistical data.

Relevant Projects

06/2024 - 12/2024

Evaluating the Effects of Urban Development on the Spatial and Quantitative of Gas Stations

- Conducted a comparative analysis of gas station distribution in 2019 and 2024 using GIS tools.
- Assessed spatial distribution changes and the number of gas stations before and during neighborhood development processes. in alignment with spatial distribution standards of the Ministry of Municipal and Rural Affairs.
- Evaluated the gain and loss of gas stations resulting from urban development.

01/2023 - 06/2023

Detailed Survey for Art & Humanities Building & Surrounded Area

- Performed a detailed land survey for a 46,000 m² site using Total Station, GPS, and Digital Level; established a ground control point network using the Leica Viva GS15 and measuring angles and distances as a step of field work.
- Entered field readings into Excel and converted them into a 1:500 scale map using ArcGIS Pro.
- Produced an accurate map showing natural and man-made features for site analysis and full practical application of surveying procedures in a real-world field environment.

Skills

ArcGIS Pro	Teamwork and individual work
ArcGIS Desktop	Working under pressure
AutoCAD	Quick Learner
ENVI	Problem solving
Agisoft Metashape	
Microsoft Office Suite (Word, Excel, PowerPoint)	

Certificates

GIS Basics Online
ArcGIS Online Basics Online
ArcGIS Pro Basics Online

Languages

Arabic: Native
English: Intermediate