

MUHAMMAD ATTIQUE

Jeddah Saudi Arab

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Career Objective

Looking for a GIS Cartographer / GIS Technician / GIS Analyst position with “General Dynamics,” to research, analyze, and computerized intelligence data and make recommendations, In a challenging and professional environment in which I am able to perfect my skills and to learn new things in order to reach the top of my profession.

Personal Attributes

Hard working, Flexible, Creative and Self-Motivated.

Summary of Skills

- Excellent working knowledge of GIS, cartography, and geography
- Ability to create shapefiles and geo-database
- Skilled in image processing and geospatial production techniques
- Expert in collecting, compiling, and processing source materials for digitizing
- Excellent analytical, error detection and problem solving skills
- Created and maintained a database
- Used spatial analysis to identify potential sites for different facilities
- Generate utility maps, designed tables, and created domains, subtypes, relationship classes, and feature datasets.
- Corrected and expanded the electrical datasets through extensive document searches, SME (Subject Matter Expert) and field investigations.
- Utilized Python scripting to automate GIS workflow.
- Skilled in Data migration from ACAD to GIS format.
- Created a data dictionary, cross-walked data structures, and used model builder to facilitate data migration.
- Developed and completed GIS maps on schedule by analyzing data and the use of ArcMap 10.2.1
- Assisted in data organization and management such as raster and vector data
- Quickly able to contribute and take responsibility of starting and completing given task given by the management
- Manipulated, analyzed, interpreted, georeferenced and edited data from many sources and in many formats to produce maps
- Provided support in the building of reports as required.
- Ability to designed database structures and maintained geospatial data in an SDE environment
- Wrote custom tools using Python and SQL to automate database tasks and simplify data entry
- Produced maps, digitized new features, georeferenced historical imagery
- Provided ArcMap support to Environmental division and GIS team.
- Used Crystal Reports to produce reports for presentation and distribution.
- Identified and communicated technical issues to team members, such as exceptions from standards in provided GIS data and/or the scope of work which will impact production.
- Provided quality and professional user service by assisting GIS users, answering questions, and discussing analysis issues with Managers.
- Carried out quality control work (QA/QC) to ensure that all the products were of the highest quality and accurate by running Data Reviewer
- Used Topology Rules and Geometric Networks to QC data
- Developed Python script to prepare and clean CAD data for the creation of a geometric network of proposed MV and LV cables.

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- Utilized ArcGIS Network Analyst to determine disconnected features.
- Experience of creating Geometry Network, Schematic and application of Attribute assistant.
- Operation of GIS database, mapping, charting and graphics software, particularly ESRI product ArcGIS Desktop
- Strong communication, presentation, and organizational skills

GIS Web Courses and Training

- ESRI Training Course of Learning ArcGIS / Arc Editor
- ESRI Training Course of Data Reviewer
- Basics of Geographic Coordinate Systems
- Editing in ArcGIS Desktop
- ESRI City Engine Essentials 1: Getting Started
- Python for Everyone
- ArcGIS for AutoCAD

GIS Key Competencies

- | | | |
|-------------------------------|-------------------------|---------------------------|
| • GIS datasets | • GIS Database Design | • GIS assessment |
| • GIS data analysis | • Spatial data analysis | • Project management |
| • Spatial data transformation | • GIS data storage | • Performance Reporting |
| • Arc Tools | • Model builder | • Geometric Network |
| • Network analysis | • Data driven | • Database transformation |

Computer OS and Software Skills (Installation & Configuration):

- LAN, UNIX / AIX , Windows 7 , Windows NT
- Auto CADD , Geo GPG, ArcGIS, MapInfo, Micro Station, MS Office
- FoxPro, MS Access, Rbase (RDBMS), SQL

Hardware Experience (Installation & Configuration)

- HP Printers, HP Plotters, HP Scanners, and GTCO Cal Comp digitizers

Educational Qualification

- Bachelor's Degree in Computer Science 2010
Virtual University of Lahore Pakistan
- Diploma in Computer Science 1993
National College of Computer Sciences Lahore Pakistan
- Certificate course in Auto CADD 1991
University of the Punjab Lahore Pakistan
- Diploma of Associate Engineer in Architecture 1989
Government Technical College Lahore Pakistan

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Work Summary

GIS Cartographer

Saudi Electric Company

Jeddah Saudi Arab

April 1997 - till date

Responsibilities:

- Working as Team Leader, on a 13.8/110 KV mapping project of Medium & Low Voltage
- Checking all layers of maps in order to ensure accuracy
- Identifying and marking errors and making corrections.
- Comparing topographical features and MV/ LV lines with images from aerial photographs, old maps, and other reference materials in order to verify the accuracy of their identification
- Computing and measuring scaled distances between reference points in order to establish relative positions of adjoining prints
- Laying out and matching aerial photographs in sequences in which they were taken, and identify any areas missing from photographs.
- Monitoring mapping work and the updating of maps in order to ensure accuracy, the inclusion of new and/or changed information, and compliance with Company rules and regulations.
- Uploading data into SDE and Posting different version after updates.
- Digitizing maps and run Quality Control checks,
- Converting CAD data into proper GIS data.
- Creating crystal report, data analysis for different criteria.
- Creating Geodatabase, Data set, Feature class as per requirement of the Project.
- Creating & working with Geometric Network and Network Topology.
- Develop Schematic for the Electric Network.

Computer Programmer

Skintrend International (Pvt) Ltd

Lahore Pakistan

September 1996 – March 1997

Responsibilities:

Work as Computer programmer in a well-established garments factory, prepared leather Jacket , export to USA & Kenya.

Working on database design & develop system for Factory's inventory, Import/Export Record, Salary, Accounts, Purchase, Sale and Clients records.

Deployment of system

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Computer Programmer

ICC (Pvt) Ltd

Lahore Pakistan

January 1992 – July 1996

Responsibilities:

Work as Team Leader on a project of surveying-mapping and digital database preparation of 17,500 km of distribution feeders (HT & LT) under WAPDA/USAID contract.

Working on electrical data processing,

Develop many programs in Rbase, Microsoft Access. ACADD Auto Lisp

Develop an inventory program in MS Access for HUB Jamshroo 500 KV transmission line.

Personal Details

Name: Muhammad Attique

Nationality: Pakistani

Date of Birth: 1 Sep, 1965

Languages: English, Urdu, Arabic

Hobbies: Reading, Programming

References: available on request