**DIVYABHA TYAGI**

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+91-8527076282

**CAREER OBJECTIVE**

To build a carrier in growing organization, where I can get the opportunities to

Prove my abilities by accepting challenges, fulfilling the organizational goal and climb the career ladder through continuous and commitment.

To explore new avenues, possibilities in the realm of Remote Sensing and Geo-informatics.

**pROFESSIONAL SUMMARY**

Four Year five-month Experience as Lidar and Gis Engineer

Extensive Knowledge of *ARCGIS, MICROSTATION(LIDAR), Q GIS, ArcGIS Online, Google Earth Engine.*

A Strong Team Player, Training, Guiding and Analytical mind and Comprehensive problem-solving abilities.

**qUALIFICATION**

Post-Graduation Dip in Geoinformatics from Jamia Milia Islamia University

B.Ed. From Kurukshetra University Kurukshetra

Six Week Training in GIS and REMOTE SENSING FROM HARSAC, HISAR, HARYANA

B.A From Kurukshetra University Kurukshetra

Intermediate From C.B.S.E

High School from C.B.S.E.

**Research WOrk**

Research Paper Present in International Conference of INDIAN INSTITUTE OF GEOGRAPHER (IIG) 2016 On the topic of GROWTH OF POPULATION IN WESTERN HIMALAYAN STATE OF INDIA,

(1981-2011)

**WORK EXPERIENCE**

**-** Working as Senior Pipeline Engineer in G2 integrated Solutions, India since May 2022 with Client UGI(United Gas Improvement Co.)

**-**Two-month course of Google Engine at Spatial7 Australia

-Three Year and Two month of Experience as GIS ENGINEER in RMSI Pvt.Ltd Noida

-One Year and Three Months of experience as LIDAR AND GIS Executive in Trans Infratech. PVT. Ltd.

**Company profile**

G2 Integrated Solutions (“G2-IS”), which is a national provider of critical asset integrity. With offices in Texas, California, Arizona, and India, G2 delivers expertise to gas and electric utilities, natural gas operators, and other energy stakeholders in six specialized services-asset integrity, engineering, GIS services, regulatory compliance, field services, and software & technology. They also provide end-to-end solutions that help manage risk, assure compliance, and optimize performance.

**tECHNICAL sKILLS**

OPERATING SKILLS: Windows 98/2000/XP/7/8/8.1/10

OFFICE PACKAGES:MS Office (Excel, Word, PowerPoint)

ERDAS, ARCGIS, GPS MICRO STATION (LIDAR)

**PROJECT WORK IN POST GRADUATE DIPLOMA IN GEOINFORMATICS**

“APPLICATION OF REMOTE SENSING AND GIS FOR DELINEATING GROUND WATER RECHARGE POTENTIAL AREAS OF JAMIA NAGAR LOCALITY IN SOUTH DISTRICT OF DELHI”

**Project Details-**

- Name of assignment or project: **Unified Gas Improvement Research Visualization Project**

- Client: UGI (United Gas Improvement Co.)

- Location: Bangalore

Activities performed:

* Experience in mapping the geo data base files with respective geo referencing points using ArcGIS.
* Referencing the geo data base files and verifying ArcGIS distribution line data with geo data base files and extending the current functionality for specific geospatial needs.
* Integrating Geographic Information System with existing enterprise systems for better efficiency.
* Familiar with piping circuitization based on engineering records.
* Experience in technical communication with international customers on weekly basis to meet their requirements.
* Experience in reading complex engineering drawings and analyzing them and able to connect the geo data base files with ArcGIS and making digitization of geo referencing data.
* Providing accurate location data and match existing reports with traceable, verifiable and complete data.

- Name of assignment or project: **HEPP: - (Hydroelectric Power Project)**

**-**Location: Noida

-Client: Wapcos (Water and Power Consultancy Services (India) Limited)

Activities performed:

* Vector data (Dam data sheet) extracting and maintained in shape file on basis of Lat-Long of each and every HEP Project location with Power House.
* Plotting the location and Power house with proper coordinate system.
* River delineation with proper coordinate system
* River L-Section Profile Maps Prepared
* Sub Basin Maps
* River Wise Maps
* Cover map with IC
* Ecology Analysis
* Index Mapping with HEP Projects wise.

Name of assignment or project: **NDMA: - (National Disaster Management Authority) Consulting Service for Hazard, Risk and Vulnerability Assessment**

Location: Noida, India

Client: National Disaster management Authority

Main project features: Cyclone and associated flood risk modelling, exposure database development and development of a Web-GIS based Composite Risk Atlas for all the coastal and inland-districts bordering coastal-districts up to 10 m above sea level coastal elevation line; outreach and conduct training workshops.

Activities performed:

* Technical assistance to exposure team for developing the exposure data development
* Toposheet data extracting and maintained in shape file for use to exposure data
* Working on exposure database like (Transport system, Essential facility, Utilities, Ecological assets
* Prepared built-up data for India coastal state.
* Map Template Prepared

Name of assignment or project: **Fire Hazard and Risk Analysis in India**

Location: Noida, India

Client: Ministry of Home Affairs, NDRF & CD (Fire)

Main project features: To prepare Capital Investment and Institutional Strengthening Plan for revamping the Fire Services in India.

Activities performed:

* Fire station field survey data collection, structure and storage
* Location based service area analysis for fire stations in India through GIS Network analysis and delineation of ideal service area
* Built-up processing, population distribution over built-up for infrastructure study
* Managing different GIS layers, attribute database and related metadata, GIS weighted overlay analysis
* Detailed GIS maps using advanced cartographic design
* District and state level infrastructural gap analysis based on road network and capacity building for fire stations

Name of assignment or project: **India Flood exposure data development**

* Location: Noida, India
* Main project features: To develop a built-up data for major city of India
* Activities performed:
* Creation of built-up data in three classes commercial, residential and industrial
* Classification of building height and density

**TECHNIQUES KNOWN: -**

* Map Layout
* Spatial data Analysis – Raster and Vector based
* Overlay analysis
* Digitization and editing & data linking
* Map Composition with good Cartographic skill
* VISUAL Image interpretation for geomorphology and Land use/ Land Cover etc.
* Digital Image processing using ERDAS
* Image Rectification & Geo-Referencing
* Remote sensing and image Interpretation
* Digital image processing using ERDAS 8.3
* Raster to Vector Conversion
* Topology Checks
* Database Creation
* Area of interest Creation (AOI)
* **Declaration: -**
* I hereby declare that the above-mentioned particulars are true to the best of my knowledge and belief.

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| **Date: Feb 2022** |  |
| **Place: Ghaziabad** |  |

**(Divyabha Tyagi)**