

Kirti Khemka
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CAREER SUMMARY

Has over **more than three years** of experience as an Remote sensing expert, Executive officer and Executive As-Built in using GIS Solutions for the Telecommunications and GIS industries. Primary focus has been on As-Built OSP, ISP data updation, Designing, Data Creation on enterprise implementations of Ericsson Network Engineer product based Projects. And also have experience in Utility, Parcel Mapping, Navigation, urban planning, 3D landmarks based project and Hyperspectral Remote sensing.

Core competencies include:

ESRI ARCGIS DESKTOP | ERICSSON NETWORK ENGINEER
AUTOCAD | ENVI 4.8. | QUANTUM GIS
MICROSOFT OFFICE | ORACLE | MAPINFO | JAVA

CURRENT STATUS

- Working as an **Executive As-Built**, in **Reliance JIO Infocomm Ltd. R4G Project**, (Deputed by Ikya Human Capital Solutions) from Jan-2018 to till date.

Roles & Responsibility

- ✓ Coordinating with NHQ & State GIS Team and Planning for E2E link completion in GIS/NE.
- ✓ Land base data updation in GIS platform. Road, building, village boundary, water bodies, rail network etc digitization and planning for fiber mapping accordingly.
- ✓ Geo-Referencing of topo-sheets & satellite maps
- ✓ Digital data creation from satellite imagery using ArcGIS.
- ✓ Road Network, Buildings, Land use, POI (point of Interest) Quality Control and Quality Assurance.
- ✓ Creating and Maintaining ESRI geodatabases.
- ✓ Coordinating with state construction team for As-Built & T&D data updation in GIS.
- ✓ Maintaining track sheet with Intercity and Intracity link details for MP circle.
- ✓ Digitization of fiber Network As-Built City and NLD data in GIS/NE.

EMPLOYMENT HIGHLIGHTS

- Worked as an **GIS Executive**, in **STEP-HBTI**, Kanpur, from Nov-2016 to Dec-2017 for **CESS collection mapping** Lucknow District (BOCW) with the use of **Quickbird satellite data** (60 cm resolution).
- Worked as a **Remote Sensing Expert** in **LRM Consultants**, Lucknow, from Feb-2016 to Oct-2016 for various application of Remote sensing & GIS :-
 - Maintaining DPR for Pradhan Mantri Krishi Sichayee Yojna with the use of GIS data.
 - Quality assurance checking for Board of Revenue.
 - Election booth Mapping & smart city projects.

QUALIFICATION

BACHELOR OF TECHNOLOGY (2013)

Gautam Buddha Technical University (GBTU), Lucknow

MASTER OF TECHNOLOGY (2016)

Dr. A. P. J. Abdul Kalam Technical University Uttar Pradesh, Lucknow

AWARDS & ACHIEVEMENTS

(A) ACADMIC

Won **CERTIFICATE OF EXCELLENCE** and **MEDALS** for the Academic year 2011, 2012 and 2013 during my graduation.

Conducted **GIS training program** of 15 Days at BOCW head office for awareness of GIS and CESS collection software for their employees.

(B) CULTURAL

Second runner-up in poster making organized by RSAC UP on National Remote Sensing Day (12th August 2014)
Participation & Achievements in sports competitions during my school.

First Prize Winner for Essay Writing and 2nd runner up in Drawing Competition in Marwari Sangh Pratiyogita in 2008-2009 at district level.

ACADEMIC RESEARCH PROJECT UNDER TAKEN

- ✓ **A comparative study of classification techniques using hyper spectral data: A Remote Sensing and GIS perspective(M.Tech Project)** from **Defence Research & Development organization (DRDO), DTRL Lab, Delhi.**
- ✓ A project was work focus on preprocessing of Hyperion data & different classification techniques likes Supervised (SVM, SAM and ANN) and Unsupervised (Isodata and K-means) for Hyperspectral remote sensing data. Thereafter geo spatial techniques were applied to accuracy assessment and find the suitable technique for **urban mapping**.

TECHNICAL SKILLS

- ✓ Advanced Digital image processing techniques for satellite image enhancement and feature extraction.
- ✓ Preparation of Land Use and Land Cover mapping using variety of skills including classification techniques.Pre-processing and classification of Hyperspectral Remote Sensing.
- ✓ Change detection and urban modelling and Elementary field survey using GPS.
- ✓ Smart Cities planning on GIS platform using Arc GIS.
- ✓ **Urban Fringe mapping** using satellite images for urban planning.
- ✓ Preparing master plan for cities on the basis of spatial data & statistics data from various dept.

PERSONAL DETAILS

Father's Name : Late Pradeep Kumar Khemka
Date of Birth/Age : 12/10/1992
Nationality : Indian
Languages Known : English & Hindi

Place:-Indore

Date:-

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