Shivani Gupta

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**PROFILE SUMMARY**

An accomplished GIS professional having more than four years of experience in Analysis, Interpretation & Digitization of satellite images, Data linking & Mapping, GPS Field Survey, Data collection and project reports preparation

**PROFESSIONAL SUMMARY**

* 3.9 years of experience in Remote Sensing Applications Centre, Lucknow as Project Scientist
* Worked as GIS Analyst in STUP Consultants Private Limited
* Working As GIS Executive in Genesys International Corporation Ltd.
* Specialized in Analysis, Interpretation & Digitization of satellite images, Data linking & Mapping, GPS Field Survey, Data collection in collaboration with government bodies and various project reports preparation
* ArcGIS Desktop 10 with Extensions GIS Certificate from ESRI India
* Completed three months certificate programme of M.S. Office from NIIT.

**KEY AREAS OF TECHNICAL EXPERTISE**

* Proficient in ArcGIS and Erdas imagine software
* Extensive experience in GPS Field Survey, Data collection in collaboration with government bodies
* Preparation of various tour reports
* Strong Analytical and Problem solving skills
* Team oriented with excellent written and verbal communication skills
* Working knowledge of MS Office

**CAREER HIGHLIGHTS**

**Remote Sensing & Applications Centre, Lucknow 5Jan’2012-30Sep’2015**

**Project: Space Based Information Support of Decentralized Planning** (**SIS-DP**)

**Overview:** SIS-DP aims at generating ortho-rectified data products, DEM using CARTOSAT-I stereo & LISS-IV satellite data and thematic mapping of land use/land cover, infrastructure, drainage and slope for the entire state of Uttar Pradesh in a seamless mosaic database.

**Skills Used:** ArcGIS, Erdas Imagine, GPS, MS Office

**Responsibilities Undertaken:**

* Involved in Ortho-rectification of CARTOSAT-1 and LISS IV Satellite Data
* Involved in Analysis, Interpretation and Digitization of satellite images, correction of topological errors in database, Data linking, seamless mapping of land use/land cover and roads of multiple Uttar Pradesh districts(Kanpur city, Kanpur rural, Kannauj, Auraiya, Farrukhabad and Mainpuri)
* Involved in GPS Field Survey, Data collection in collaboration with Government bodies and report preparation of multiple Uttar Pradesh district(Kanpur city, Kanpur rural, Kannauj, Etawah, Auraiya and Farrukhabad)
* Completed additional project tasks such as mapping of Kannauj Block
* Digitization and error correction of Mainpuri district work as part of Lucknow-Agra Express Highway along with support team providing required information

**Project: National Geo-morphological Lineament Mapping**

**Overview:** Creation of Geo-morphological and Lineament Geo-database along with their field information of Uttar Pradesh with use of LISS-III satellite data

**Skills Used:** ArcGIS with Nrcv2.0 (integrated tool invented by NRSC Hyderabad), GPS, MS Office

**Responsibilities Undertaken:**

* Mapping of geo-morphology in geo-database layers of Uttar Pradesh using ArcGIS
* Use of Toposheets in interpretation of geo-morphological features

**Project: House Property Tax Assessment of Ramnagar, UP**

**Overview:** Mapping of Ramnagar from IKONOS Satellite data, preparation of Infrastructure Layers and Mathematical Calculation of House Property tax with the help of GPS Field Survey

**Skills Used:** ArcGIS, Erdas Imagine, GPS, MS Office

**Responsibilities Undertaken:**

* Infrastructure Layers mapping from IKONOS Satellite (1m. Resolution Data) using ArcGIS and Erdas Imagine
* Detailed door to door field survey with municipal corporation team using GPS technology
* Mathematical calculation of House Property tax and report preparation

**STUP Consultants Private Limited, NEW DELHI 10May, 2016 to 10Oct, 2016**

**Project: Chandrawal Project**

**Overview:** The Delhi Water Supply Improvement Project (DWSIP) project in Chandrawal command area, Japan International Cooperation Agency (JICA) Loan No. ID-P225, (hereafter referred to as ‘the project’) pertains to achieving equitable and continuous water distribution in the command area of Chandrawal Water Treatment Plants I and II in Delhi by improving the water supply network including service network to customers thereby contributing in upgrading citizen’s living standards.

The project is an outcome of the JICA funded “Study on Improvement of Water Supply System in Delhi” carried out by Tokyo Engineering Consultants Co. Ltd. (TEC) and Oriental Consultants Co. Ltd.

**Skill Used:** Arc GIS, MS Office

**Responsibilities Undertaken:**

* Mapping based on Water Distribution in Command Area
* Analysis of different types of Water distribution data
* Digitization of Layers
* Maintain Attributes
* Field Work
* Linking Data etc.

**Genesys International Corporation Ltd., Jaipur 10May, 2018 to Present**

**Project:** Jaipur 3d Smart City

**Overview:**  This is a Rajasthan State Government Project executing By **Genesys International Corporation Ltd**. The Aim of this Project is to Crate 3D model of Jaipur City in a geographic information system (GIS) environment. This 3D system, pegged to be a part of a unified state-wide GIS enabled decision support system, will provide the city administration with a holistic view for all concerned city development departments to work in unison. This Smart City project covering 3,000 Sq. Km. of Jaipur City.

It is aimed at streamlining disaster recovery initiatives and tourism planning while also aiding the planning and execution of large-scale projects such as infrastructure development and town planning.

**Skill Used:** Arc GIS, QGIS, Global Mapper, Meshlab, FME, Rhino, Hxmap, MS Office and other Softwares and Devloped Tools.

**Responsibilities Undertaken:**

* Quality Assurance work of 2D,3D Models,Different Kind of Data(Prepared by Production Team).
* Analysis of Different Type of Data in GIS Environment using ArcGIS and other Softwares.
* Document Preparation Related with Softwares.
* Training on Softwares to other Team Members.
* Conversion of Data using GIS Softwares.

**EDUCATION:**

* M. Phil in Geography from Devi Ahilya Vishwa Vidhyalaya, Indore,(M.P) 2008-09
* M. Sc. In Remote Sensing & GIS from North Orissa University, Baripada,(Odisha) 2009-11
* Post graduate in Geography from B.V.P.G. College, Farrukhabad,(U.P.)2006-08

**PERSONAL DETAILS:**

**Languages Known :** English and Hindi

**Permanent Address :** Plot No.-12, Raghu Vihar, Maharani Farm, Durgapura, Jaipur, 302018