

Akash Sharma

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Summary

GIS Professional with over 7 years of experience in urban/ regional planning, renewal, and development sectors. Skilled in cartography, GIS-based urban & infrastructure planning projects, location intelligence, cadastre, differential GPS, QA/QC. Expertise in focus group meetings, client interactions, and stakeholder consultation etc.

Education

- **Masters of Science in Geomatics** (2009 – 2011), Centre for Environmental Planning and Technology (CEPT University), Ahmedabad, India.
- **Bachelors in Geography (Hons.)** (2006-2009), Delhi University, India.

Work Experience

GIS Analyst/ Consultant (Freelance) at Tech Mech International Pvt. Ltd. & Shaping Spaces Consultants Pvt. Ltd. (March, 2019 – till date)

- Working on **Bharatpur Zonal Development Plan (2041)**, Rajasthan and **AMRUT GIS based master plans** for Rudrapur and Kashipur, Uttarakhand.

GIS Analyst/ Professional at LEA Associates South Asia (LASA) Pvt. Ltd. (April, 2015 - December 2018)

Responsibilities:

- Preparation of base map, existing & proposed land use, village cadastral (Revenue) information as per project requirement.
- Handling of satellite remote sensing data, spatial analysis and mapping
- Supervising and leading teams to conduct land-use survey, Photographic survey (Field Visit), DGPS Survey and mapping
- Further contributing to various tasks related to projects from execution to the conclusion
- **Project Associate (GIS) at Centre for Research, Development and Consultancy (CRDC), CEPT University (September 2011 - March 2015)** Responsibilities:
 - Preparation of base maps, cadastral mapping for city Master Plans.
 - Data collection, preparation of GIS-based database.

Key Professional Projects

- **Regional Spatial Strategies & National Transport Survey - Muscat & Al Batinah South Governorates, Oman:** To Prepare multi-faceted national level strategy and infrastructure plan for sustainable and balanced spatial growth, development & deployment of OMAN Public Information System (**OPIS**) and National Transport Survey (**NTS**) and Traffic Model.
 - Managing & supervising Base map preparation & Existing Land Use and actively engaged on quality assurance/quality control (**QA/QC**) of Geodatabase for final deliverables etc.

- **Preparation of Perspective Plan, Master Plan & Zonal Development Plans for GUDA Region, Kakinada:** To Prepare a Perspective, Master plan and Zonal Development plans for Godavari Urban Development Authority Region which includes 2 MCs, 3 municipalities and 1 Nagar panchayat spread over 2183.02 sq.km.
 - Supervising and conducting preliminary surveys (field visit), Preparation of Base map & various thematic layers, Client interaction (meetings) & stakeholders consultation etc.
- **Preparation of Perspective plan for Amritsar Kolkata Industrial Corridor (AKIC) Region:** To prepare a Regional Perspective Plan for the **AKIC** Region (comprising of seven states- Punjab, Haryana, Uttarakhand, Uttar Pradesh, Bihar, Jharkhand, and West Bengal). To undertake feasibility study and concept master planning for setting up one integrated manufacturing cluster (**IMC**) in each of the seven AKIC States.
 - Preparation of Base map for Perspective Plan of AKIC Region, Existing & Proposed Land Use for Detailed Concept Plan of IMC sites, Spatial analysis, and mapping etc.
- **Smart City Challenge (First Round)- Tumkur:** To prepare vision document and strategies to compete in 100 Smart City Challenge.
 - Preparation of various thematic layers of land-use, water & sewerage, socio-economic profile, and transportation etc.
- **Project management Consultancy (PMC) to Design, Develop, Manage and Implement Smart City Projects in Faridabad City, Haryana:** To design, develop, manage and implement various projects/ sub-projects related to Smart City under the special purpose vehicle (SPV) i.e. Faridabad Smart City Limited (**FSCL**).
 - Site/Field Visit, GPS Surveying, Spatial/Utilities Mapping, Preparation of land-use/thematic information and Engagement with various stakeholders etc.
- **Consultancy Services for the upgrading of Ipole-Rungwa Road (172.40Km) to Bitumen Standard, United Republic of Tanzania:** Preparation of Detail Project Report (DPR) of various identified routes/roads.
 - Analyzing alternative road alignment options with the help of digital surveyed data, Studying various hydrological parameters, Watershed modeling, Mapping and preparation of various thematic layers etc.
- **Preparation of Master Plan & Zonal Development Plan for Visakhapatnam Metropolitan Region (VMR) :** To Prepare a Masterplan and Zonal development plan for Visakhapatnam Metropolitan Region which includes 1482 Villages spread over 6765 sq. km
 - Supervising and conduct DGPS Survey, Focus group meetings & stakeholder's consultation etc.
- **Integration of Notified Master Plans of HMA, Hyderabad:** To prepare an Integrated Master Plan of Hyderabad Metropolitan Area (**HMA**)-viz HUDA, HADA, CDA and MCH within Outer Ring Road (**ORR**).
 - Quality Assurance/Quality Control (QA/QC) of GIS based database, Preparation of Village Cadastral maps and Landuse etc.
- **Metropolitan Development Plan of Extended Area of Hyderabad (2031), Telangana:** It involved extensive preparation of GIS maps, updating the existing land use of the extended area of HMDA, Schematic maps of various analysis, Proposed Land use map at Mandal (Taluka) level with the incorporation of each village and revenue boundary marked with the proposed land use.
 - Preparation and mapping of more than 900 Cadastral (Revenue) maps, Updating Proposed Land Use Map, redress public hearing process and capacity building etc.

Technical Skills

- ArcGIS, Erdas Imagine, Global Mapper, AutoCAD Map
- QGIS
- Adobe Photoshop, MS Office